

APPENDIX C

NPDES PERMIT AND SUPPORTING DOCUMENTS



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION
NORTHWEST REGIONAL OFFICE

APR 16 2014

Mr. R. Terry Barrett
Trinity Industries
2525 Stemmons Freeway
Dallas TX 75207

Re: Permit Authorization Cover Letter for Individual NPDES Permit for Stormwater
Discharges Associated with Construction Activities
Trinity Industries South Plant
PAI064313002
Hempfield Township, Mercer County

Dear Mr. Barrett:

In compliance with the provisions of the Clean Water Act, 33 U.S.C. Section 1251 et seq ("the Act") and Pennsylvania's Clean Streams Law, as amended, 35 P.S. §§ 691.1 et seq., the Department of Environmental Protection (DEP) hereby approves the application for the NPDES permit for Stormwater Discharges Associated with Construction activities (NPDES Permit) from Trinity Industries South Plant to Mathay Run WWF.

PAI064313002 is effective on APR 16 2014 and will expire on APR 16 2019. All dischargers are required by Sections 402 and 611 of The Clean Streams Law, 35 P.S. §§691.402 and 691.611 to comply with the terms and conditions and any special conditions of their permit.

In addition to the NPDES permit authorization, the permittee and any subsequent co-permittees have additional responsibilities related to this authorization. NPDES permit requirements and federal regulations at 40 C.F.R. 122.21(b) require "when a facility or activity is owned by one person but is operated by another person, it is the operator's duty to obtain a permit" (see permit condition Part B (1) (d) (1) and (3) for transfer of permit or co-permittee requirements.) Please be advised that once an operator/contractor has been selected for the project, the NPDES permit must either be transferred to the operator/contractor or the operator/contractor must be made a co-permittee and enter into an agreement with the permittee. Please use the enclosed Transferee/Co-Permittee Application form to transfer the permit or to add a co-permittee. This form must be received by this office at least 30 days prior to the co-permittee/transferee action taking place.

A pre-construction conference is required as specified in 25 PA Code § 102.5(e). The purpose of this conference is to review all aspects of the permit with the permittee, co-permittees, operators, consultants, the DEP inspectors and licensed professionals or their designees who will be responsible for the implementation of the critical stages of the approved PCSM plan.



Mr. R. Terry Barrett

- 2 -

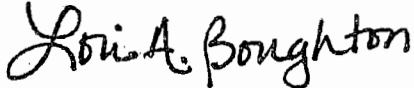
APR 16 2014

It is a condition of NPDES permit that as part of the maintenance program for the operation and maintenance of Best Management Practices (BMPs) the permittee or co-permittee must conduct inspections of the BMPs on a weekly basis and after each stormwater event to include the repair or replacement of BMPs to ensure effective and efficient operation (see permit condition part A, 2 (a).) The Visual Site Inspection Report Form is enclosed and must be used to document these required site inspections.

The Notice of Termination (NOT) form is also enclosed and must be completed and filed when construction activities have ceased and final stabilization has been achieved as a condition of this permit as specified in Section 4 of the permit regarding Notice of Termination. The NOT is a NPDES permit requirement, as well as a regulatory requirement under 25 PA Code §102.7. The NOT must identify the responsible person(s) for the long term operation and maintenance of the Post Construction Stormwater Management (PCSM) BMPs. Please be advised that the permittee and/or co-permittee remain responsible for all operational maintenance for this project site until the NOT has been filed and acknowledged.

If you have additional questions, please contact Don Luttman at 814.332.6057 or via email at dluttman@pa.gov.

Sincerely,



Lori A. Boughton
Regional Manager
Waterways and Wetlands Program

Enclosures

- NPDES Individual Construction Permit
- Approved E&S Plan
- Visual Site Inspection Report Form
- Transferee/Co-Permittee Application
- Notice of Termination (NOT)

cc: Mercer County Conservation District (w/copy of permit cover sheet only)
Hempfield Township (w/copy of permit cover sheet only)
Veronica Foster, Golder Associates (w/copy of permit cover sheet only)
K. Gross / D. Luttman (w/copy of permit cover sheet only)
Permit File

LAB: DL/waso



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATERSHED MANAGEMENT

**APPROVAL OF COVERAGE UNDER
THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) INDIVIDUAL
PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES**

NPDES PERMIT NO: PAI 064313002 PRIMARY FACILITY ID: 775273
AUTHORIZATION NO: 1003960 SUBFACILITY ID: 1132593
APS NO.: 829776

SITE/PROJECT NAME & ADDRESS		PERMITTEE NAME & ADDRESS	
Name:	South Plant Site Cleanup	Name:	Trinity Industries
Location:	Mercer County	Client ID:	82619
	Hempfield Township	Address:	2525 Stemmons Freeway
Address:	100 York Street		
City, State, Zip:	Greenville PA 16125-1528	City, State, Zip:	Dallas TX 75207
Phone:		Phone:	214-589-8409

In compliance with the provisions of the Clean Water Act, 33 U.S.C. Section 1251 et seq. ("the Act") and Pennsylvania's Clean Streams Law, as amended, 35 P.S. Section 691.1 et seq., the Department of Environmental Protection hereby approves the discharge of stormwater to the following surface water(s) Mathay Run WWF

from ☐ 1 to less than 5 acres of earth disturbance with a point source discharge (or)
☒ 5 or more acres of earth disturbance

subject to all effluent limitations, monitoring and reporting requirements and other terms, conditions, criteria and special requirements for the discharge of stormwater from sources composed entirely of stormwater associated, in whole or in part, with construction activity, as defined in this permit, to surface waters of the Commonwealth, including municipal separate storm sewers and non-municipal separate storm sewer.

APPROVAL TO DISCHARGE IN ACCORDANCE WITH THE TERMS AND CONDITIONS HEREIN MAY COMMENCE ON THE DATE OF THE APPROVAL OF COVERAGE, AND IS VALID FOR A PERIOD OF FIVE YEARS WHEN CONDUCTED PURSUANT TO SUCH TERMS AND CONDITIONS. COVERAGE MAY BE EXTENDED BY THE DEPARTMENT IF A TIMELY ADMINISTRATIVELY COMPLETE AND ACCEPTABLE PERMIT RENEWAL IS SUBMITTED TO THE DEPARTMENT AT LEAST 180 DAYS PRIOR TO DATE OF COVERAGE TERMINATION, UNLESS PERMISSION FOR SUBMISSION AT A LATER DATE HAS BEEN GRANTED BY THE DEPARTMENT. THE PERMIT MAY BE TERMINATED PRIOR TO THE EXPIRATION DATE UPON NOTICE TO AND APPROVAL BY THE DEPARTMENT. NO CONDITION OF THIS PERMIT SHALL RELEASE THE PERMITTEE OR CO-PERMITTEE FROM ANY RESPONSIBILITY OR REQUIREMENT UNDER PENNSYLVANIA, OR FEDERAL ENVIRONMENTAL STATUTES AND REGULATIONS, OR LOCAL ORDINANCES.

COVERAGE APPROVAL DATE: APR 16 2014 COVERAGE EXPIRATION DATE: APR 16 2019

AUTHORIZED BY: Lori A. Boughton TITLE: Waterways and Wetlands Program Manager
Lori A. Boughton

Mercer County Conservation District

Phone: 724-662-2242

Fax: 724-662-3905

November 21, 2013

Mr. Terry Barrett
Trinity Industries, Inc.
2525 Stemmons Freeway
Dallas, TX 75207

NOV 25 2013

Re: Administrative Completeness Review
Trinity Site Cleanup Activities – South Plant
Permit # PAI-0643-13-002
Hempfield Township, Mercer County, PA

Dear Mr. Barrett,

The Mercer County Conservation District received your complete application for an Individual NPDES Permit on July 15 2013.

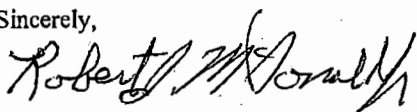
The application was checked for completeness and all necessary items were found to be included. It has been assigned Permit Number PAI-0643-13-002. Notification will be published in the Pennsylvania Bulletin. A 30-day public comment period follows from the date the application is published.

The Erosion & Sediment Control (E&S) Plan and Post Construction Stormwater Management (PCSM) Plan will be reviewed for adequacy of protection and compliance with DEP's rules and regulations by District staff and or Agency technical representatives cooperating with the District.

When the reviews of the E&S and PCSM Plans reveal deficiencies, you will be notified with a review letter. Revised plans must be submitted for review before the application processing can continue. Upon the District's completion of E&S Plan review, the District will forward its recommendation to the DEP Northwest Regional Office. The DEP Regional Office will notify you concerning the review of the PCSM Plan. The DEP Regional Office will also notify you of any other permits or approvals that may be required for the proposed activity.

Inquiries regarding the status should be directed to Robert McDonald at 724-662-2242.

Sincerely,



Robert J. McDonald Jr., Technician

Cc: Veronica E. Foster, P.E., Golder Associates, Inc., 200 Century Parkway, Suite C, Mt. Laurel, NJ 08054
Hempfield Township
Donald Luttman, PA Dept. of Environmental Protection, Northwest Regional Office, 230 Chestnut Street,
Meadville, PA 16335

Mercer County Conservation District

NOV 25 2013

Phone: 724-662-2242

Fax: 724-662-3905

November 21, 2013

Mr. Richard T. Barrett
Trinity Industries, LLC
2525 Stemmons Freeway
Dallas, TX 75207

Subject: Erosion and Sediment Control Plan Review
Individual NPDES Permit Application # PAI-0643-13-002
Trinity Site Cleanup Activities – South Plant
Hempfield Township, Mercer County, PA

Dear Mr. Barrett

The referenced plan meets the requirements of Title 25, Chapter 102, Erosion Control. **Please be advised that a copy of the approved plan must be available on site during construction.**

Also be advised that this letter is not approval to commence earth disturbance activities. You will be notified by the PA Department of Environmental Protection when the Individual NPDES Permit is approved.

The Conservation District reviews this plan solely to determine whether it is adequate to satisfy the requirements of PA Code 25 Pa. Code §§ 102.1 et seq., the erosion and sediment control regulations of the Department of Environmental Protection. By a determination that the plan is adequate to meet those requirements, neither the district nor the county assumes any responsibility for the implementation of the plan or the proper construction and operation of the facilities contained in the plan.

Sincerely,



Robert J. McDonald, Jr.
Technician

Cc. Veronica Foster, Golder Associates, Inc., 200 Century Parkway, Suite C, Mt. Laurel, NJ 08054
Donald Luttman, PA D.E.P., Northwest Regional Office, 230 Chestnut Street, Meadville, PA 16335



July 25, 2013

Project No. 073-6009-100

Robert J. McDonald, Jr
Mercer County Conservation District
24 Avalon Court, Suite 300
Mercer, PA 16137-5023

**RE: INDIVIDUAL NPDES PERMIT APPLICATION
FOR SITE CLEANUP ACTIVITIES
TRINITY INDUSTRIES, INC. SOUTH PLANT SITE (FACILITY ID NO. 731745)
HEMPFIELD TOWNSHIP, PA**

Dear Mr. McDonald:

On behalf of Trinity Industries, Inc. (Trinity), Golder Associates Inc. (Golder) is submitting the enclosed Individual NPDES Permit Application for the Trinity South Plant Site (Site) to the Mercer County Conservation District (MCCD) for review and approval.

Please note that we have also enclosed an MCCD Erosion and Sediment Pollution Control Plan Review form as well as the three required checks to cover the administrative fees for the review. In addition, please note that the Notice of Intent and the General Information Form have scanned signature pages; however, we will be providing original signatures for these forms under separate cover.

As you previously discussed with Veronica Foster, of my office, we are planning on having a pre-application meeting for the South Plant cleanup activities with Don Luttmann of the Pennsylvania Department of Environmental Protection (PADEP). Currently, that meeting is scheduled for Wednesday July 31, 2013 at 10:00 am at PADEP's offices in Meadville, Pennsylvania. I understand that you are available at that time and we look forward to seeing you at the meeting.

If you have any questions or comments regarding the above, please do not hesitate to contact Veronica or me.

GOLDER ASSOCIATES INC.

Joseph B. Gormley, Jr., P.E.
Senior Consultant, Project Coordinator

cc: Terry Barrett, P.G., Trinity Industries, Inc. (Electronic Copy)
Donald Luttmann, PADEP (w/o enclosures)
John O'Hara, PADEP (w/o enclosures)
Kristie Shimko, PADEP (w/o enclosures)

Enclosures

JBG/

g:\projects\2007 projects\073-6009-100 trinity south plant\permitting\npdes\cover letter_07-25-13.docx

Golder Associates Inc.
200 Century Parkway, Suite C
Mt. Laurel, NJ 08054 USA

Tel: (856) 793-2005 Fax: (856) 793-2006 www.golder.com

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REPORT

APPLICATION FOR AN INDIVIDUAL NPDES PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES

Site Cleanup Activities– South Plant Site
Trinity Industries, Inc.
Greenville, PA

Prepared For: Trinity Industries, Inc.
2525 Stemmons Freeway
Dallas, TX 75207

Submitted By: Golder Associates Inc.
200 Century Parkway, Suite C
Mt. Laurel, NJ 08054 USA

Distribution:

3 Copies	PADEP, Northwest Regional Office
1 Copy	Trinity Industries, Inc.

July 2013

Project No. 073-6009-100

**A world of
capabilities
delivered locally**



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NPDES INDIVIDUAL PERMIT APPLICATION CHECKLIST

PADEP FORM B

PADEP FORM B1

List of Attachments

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Attachment C	Act 14, 67, 68, and 127 Notifications and Acknowledgments
Attachment D	PNDI Review Receipt and Agency Response Letters
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Attachment D-3	Correspondence with US Fish and Wildlife Service
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Attachment F	Post-Construction Stormwater Management Plan (provided separately)
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Attachment G-2	PADEP General Information Form
Attachment H	PHMC Letter of Coordination
Attachment I	PADEP Approval Letters

**NPDES INDIVIDUAL PERMIT
APPLICATION CHECKIST**



COMPLETENESS REVIEW CHECKLIST

Check-off: C = Complete, NC = Not Complete

Item Location: D = PCSM Drawings, N = PCSM Narrative, D or N = Drawings or Narrative

D & N = Drawings and Narrative

STANDARD E & S AND PCSM COMPLETENESS REVIEW CHECKLIST					
General					
Applicant		Reviewer		Item	Item Location
Included	Page Number	C	NC		
<input checked="" type="checkbox"/>	Att. B	<input type="checkbox"/>	<input type="checkbox"/>	Fully completed, properly signed and notarized Notice of Intent Form (1 original and 2 copies)	
<input checked="" type="checkbox"/>	Att. A	<input type="checkbox"/>	<input type="checkbox"/>	Permit filing fee of \$500 (general permit) or \$1500 (individual permit) payable to the appropriate Clean Water Fund	
<input checked="" type="checkbox"/>	Att. A	<input type="checkbox"/>	<input type="checkbox"/>	Disturbed acre fee payable to the Commonwealth of Pennsylvania Clean Water Fund	
<input checked="" type="checkbox"/>	Att. C	<input type="checkbox"/>	<input type="checkbox"/>	Proof of receipt of municipal and county Acts 14, 67, 68, and 127 notifications; copies of certified mail receipts or acknowledgment letters from the local municipality and county government.	
<input checked="" type="checkbox"/>	Att. D	<input type="checkbox"/>	<input type="checkbox"/>	The PNHP/PNDI Review receipt for the project area.	
<input checked="" type="checkbox"/>	Att. E	<input type="checkbox"/>	<input type="checkbox"/>	Complete Erosion and Sediment Control Plans	
<input checked="" type="checkbox"/>	Att. F	<input type="checkbox"/>	<input type="checkbox"/>	Complete Post Construction Stormwater Management Plan	
<input checked="" type="checkbox"/>	Att. G	<input type="checkbox"/>	<input type="checkbox"/>	Fully completed General Information Form (GIF) (Individual Permits	
<input checked="" type="checkbox"/>	Att. H	<input type="checkbox"/>	<input type="checkbox"/>	PHMC coordination letter/clearance (Individual Permits for 10 acres or more of disturbance only)	
<input checked="" type="checkbox"/>	N/A	<input type="checkbox"/>	<input type="checkbox"/>	Appendix A land use questions	
Attachment E E&S Plan Planning & Design 102.4(b)(4)					
Applicant		Reviewer		Item	Item Location
Included	Page Number	C	NC		
<input checked="" type="checkbox"/>	N cover, ES-1	<input type="checkbox"/>	<input type="checkbox"/>	The E&S Plan is separate from the PCSM Plan and labeled "E&S" or "Erosion and Sediment Control Plan" and is the final plan for construction.	D&N
<input checked="" type="checkbox"/>	N1, N Att1	<input type="checkbox"/>	<input type="checkbox"/>	Documentation provided that E&S Plan was prepared by person trained and experienced in E&S design methods and techniques applicable to the size and scope of the project	N
<input checked="" type="checkbox"/>	N18, N21 ES-3	<input type="checkbox"/>	<input type="checkbox"/>	E&S Plan minimizes extent and duration of earth disturbance	D&N
<input checked="" type="checkbox"/>	N21, ES-3	<input type="checkbox"/>	<input type="checkbox"/>	E&S Plan maximizes protection of existing drainage features and vegetation	D&N
<input checked="" type="checkbox"/>	N24	<input type="checkbox"/>	<input type="checkbox"/>	E&S Plan minimizes soil compaction	D&N
<input checked="" type="checkbox"/>	N7	<input type="checkbox"/>	<input type="checkbox"/>	E&S Plan utilizes other measures or controls that prevent or minimize generation of increased stormwater runoff	D&N
Existing topographic features of the project site and the immediate surrounding area §102.4(b)(5)(i)					
Applicant		Reviewer		Item	Item Location
Included	Page Number	C	NC		
<input checked="" type="checkbox"/>	ES-2, ES-3	<input type="checkbox"/>	<input type="checkbox"/>	Topographic map(s) of the project site provided	D
<input checked="" type="checkbox"/>	ES-1	<input type="checkbox"/>	<input type="checkbox"/>	Location map (USGS quadrangle) provided	D or N

Types, depth, slope, locations and limitations of the soils §102.4(b)(5)(ii)					
Applicant		Reviewer		Item	Item Location
Included	Page Number	C	NC		
<input checked="" type="checkbox"/>	N3, ES-1	<input type="checkbox"/>	<input type="checkbox"/>	Soil map provided	D or N
<input checked="" type="checkbox"/>	N3-4	<input type="checkbox"/>	<input type="checkbox"/>	Soil use limitations and their resolutions provided	D or N
Past, present and proposed land uses and proposed alteration to project site §102.4(b)(5)(iii)					
Applicant		Reviewer		Item	Item Location
Included	Page Number	C	NC		
<input checked="" type="checkbox"/>	N1-2	<input type="checkbox"/>	<input type="checkbox"/>	Past land uses for past 50 years addressed	N
<input checked="" type="checkbox"/>	N2	<input type="checkbox"/>	<input type="checkbox"/>	Present land uses for last 5 years addressed	N
<input checked="" type="checkbox"/>	ES-4	<input type="checkbox"/>	<input type="checkbox"/>	Proposed alteration/land uses shown on a plan map	D
Volume and rate of runoff from the project site and its upstream watershed area §102.4(b)(5)(iv)					
Applicant		Reviewer		Item	Item Location
Included	Page Number	C	NC		
<input checked="" type="checkbox"/>	N7-17, APP B	<input type="checkbox"/>	<input type="checkbox"/>	Drainage area maps provided for proposed channels, basins, and traps	D or N
<input checked="" type="checkbox"/>	N7-17, APP B	<input type="checkbox"/>	<input type="checkbox"/>	Runoff calculations provided for proposed channels	N
Location of all surface waters and their classification under Chapter 93 §102.4(b)(5)(v)					
Applicant		Reviewer		Item	Item Location
Included	Page Number	C	NC		
<input checked="" type="checkbox"/>	ES-2, ES-3	<input type="checkbox"/>	<input type="checkbox"/>	Surface waters shown on plan map(s)	D
<input checked="" type="checkbox"/>	N5-6	<input type="checkbox"/>	<input type="checkbox"/>	Existing/designated uses of all streams, lakes, ponds, wetlands or other surface waters identified	D or N
Narrative description of the location and type of perimeter and onsite BMPs §102.4(b)(5)(vi)					
Applicant		Reviewer		Item	Item Location
Included	Page Number	C	NC		
<input checked="" type="checkbox"/>	N21-26	<input type="checkbox"/>	<input type="checkbox"/>	E&S BMPs identified/described	N
<input checked="" type="checkbox"/>	ES-3 thru ES-5	<input type="checkbox"/>	<input type="checkbox"/>	E&S BMPs shown on plan map(s)	D
Sequence of BMP installation and removal §102.4(b)(5)(vii)					
Applicant		Reviewer		Item	Item Location
Included	Page Number	C	NC		
<input checked="" type="checkbox"/>	ES-8	<input type="checkbox"/>	<input type="checkbox"/>	Construction sequence provided	D
Supporting calculations and measurements §102.4(b)(5)(viii)					
Applicant		Department		Item	Item Location
Included	Page Number	C	NC		
<input checked="" type="checkbox"/>	APP B	<input type="checkbox"/>	<input type="checkbox"/>	Calculations provided for all proposed channels, traps, and basins	N
<input checked="" type="checkbox"/>	APP A	<input type="checkbox"/>	<input type="checkbox"/>	Standard E&S worksheets or equivalents completely filled out	N
Plan drawings §102.4(b)(5)(ix)					
Applicant		Department		Item	Item Location
Included	Page Number	C	NC		
<input checked="" type="checkbox"/>	ES-3	<input type="checkbox"/>	<input type="checkbox"/>	Plan map(s) showing proposed earthmoving provided	D
<input checked="" type="checkbox"/>	ES-7,8	<input type="checkbox"/>	<input type="checkbox"/>	Details and/or typicals provided for each proposed E&S BMP	D

Maintenance program §102.4(b)(5)(x)					
Applicant		Reviewer		Item	Item Location
Included	Page Number	C	NC		
<input checked="" type="checkbox"/>	APP D	<input type="checkbox"/>	<input type="checkbox"/>	Maintenance of proposed BMPs addressed	D
<input checked="" type="checkbox"/>	APP D	<input type="checkbox"/>	<input type="checkbox"/>	Inspection schedule for proposed BMPs provided	D
<input checked="" type="checkbox"/>	APP D	<input type="checkbox"/>	<input type="checkbox"/>	Written report documenting inspections and repairs specified	D
Recycling or disposal of materials §102.4(b)(5)(xi)					
Applicant		Reviewer		Item	Item Location
Included	Page Number	C	NC		
<input checked="" type="checkbox"/>	N19, ES-3	<input type="checkbox"/>	<input type="checkbox"/>	Anticipated construction wastes identified	D
<input checked="" type="checkbox"/>	N19, ES-3	<input type="checkbox"/>	<input type="checkbox"/>	Instructions provided for proper recycling/disposal of materials provided	D
Geologic formations/soil conditions that may have the potential to cause pollution §102.4(b)(5)(xii)					
Applicant		Reviewer		Item	Item Location
Included	Page Number	C	NC		
<input checked="" type="checkbox"/>	N3	<input type="checkbox"/>	<input type="checkbox"/>	Geologic/soil conditions addressed	D or N
<input checked="" type="checkbox"/>	N3, N4	<input type="checkbox"/>	<input type="checkbox"/>	Where potential for pollution identified, measures provided to avoid/minimize/or mitigate	D
Potential thermal impacts to surface waters §102.4(b)(5)(xiii)					
Applicant		Reviewer		Item	Item Location
Included	Page Number	C	NC		
<input checked="" type="checkbox"/>	N26	<input type="checkbox"/>	<input type="checkbox"/>	Potential for thermal impacts addressed	D or N
<input type="checkbox"/>	N/A	<input type="checkbox"/>	<input type="checkbox"/>	Where potential for impacts exists, measures provided to avoid/minimize/or mitigate	D
E&S Plan designed and implemented to be consistent with PCSM Plan §102.4(b)(5)(xiv)					
Applicant		Reviewer		Item	Item Location
Included	Page Number	C	NC		
<input checked="" type="checkbox"/>	ES-5	<input type="checkbox"/>	<input type="checkbox"/>	Proposed structural PCSM BMPs shown on the E&S plan map(s)	D
<input type="checkbox"/>	N/A	<input type="checkbox"/>	<input type="checkbox"/>	Existing/proposed riparian buffers outside limits of disturbance	D
<input type="checkbox"/>	N/A	<input type="checkbox"/>	<input type="checkbox"/>	Proposed infiltration BMPs outside proposed grading areas	D
Existing/proposed riparian forest buffers §102.4(b)(5)(xv)					
Applicant		Reviewer		Item	Item Location
Included	Page Number	C	NC		
<input type="checkbox"/>	N/A	<input type="checkbox"/>	<input type="checkbox"/>	Existing/proposed riparian forest buffers shown on plan map(s)	D
<input type="checkbox"/>	N/A	<input type="checkbox"/>	<input type="checkbox"/>	Existing/proposed riparian forest buffers outside limits of disturbance	D
<input type="checkbox"/>	N/A	<input type="checkbox"/>	<input type="checkbox"/>	Protection provided for wetlands within riparian forest buffer	D or N
Antidegradation Analysis					
Applicant		Reviewer		Item	Item Location
Included	Page Number	C	NC		
<input type="checkbox"/>	N/A	<input type="checkbox"/>	<input type="checkbox"/>	Evaluation of nondischarge alternatives, including demonstration that a nondischarge alternative does not exist for both E&S and PCSM	N
<input type="checkbox"/>	N/A	<input type="checkbox"/>	<input type="checkbox"/>	ABACT included where a nondischarge alternative does not exist for both E&S and PCSM	D or N
<input type="checkbox"/>	N/A	<input type="checkbox"/>	<input type="checkbox"/>	Nondischarge and ABACT BMPs have been identified for both E&S and PCSM	D or N

General PCSM planning and design 102.8(b)					
PCSM Plan – General – Attachment F					
Applicant		Reviewer		Item	Item Location
Included	Page Number	C	NC		
<input checked="" type="checkbox"/>	N-Cover D - Figs 1-10	<input type="checkbox"/>	<input type="checkbox"/>	The PCSM Plan is separate from the E&S Plan and labeled "PCSM" or "Post Construction Stormwater Management Plan" and is the final plan for construction.	D & N
<input checked="" type="checkbox"/>	Att C of NPDES	<input type="checkbox"/>	<input type="checkbox"/>	Municipal or county engineer consistency letter provided	N
<input checked="" type="checkbox"/>	N-8	<input type="checkbox"/>	<input type="checkbox"/>	Act 167 plan is dated January 2005 or later	N
<input checked="" type="checkbox"/>	N – APP A	<input type="checkbox"/>	<input type="checkbox"/>	Documentation provided that PCSM Plan was prepared by person trained and experienced in PCSM design methods and techniques applicable to the size and scope of the project	N
<input checked="" type="checkbox"/>	N1	<input type="checkbox"/>	<input type="checkbox"/>	Preserve the integrity of stream channels and maintain and protect the physical, biological and chemical qualities of the receiving stream	D or N
<input checked="" type="checkbox"/>	N1, N14, APP B & C	<input type="checkbox"/>	<input type="checkbox"/>	Prevent an increase in the rate of stormwater runoff	D or N
<input checked="" type="checkbox"/>	N1, N14, APP B & C	<input type="checkbox"/>	<input type="checkbox"/>	Minimize any increase in stormwater runoff volume	D or N
<input checked="" type="checkbox"/>	N1, N19 D – Fig 9	<input type="checkbox"/>	<input type="checkbox"/>	Minimize impervious areas	D & N
<input checked="" type="checkbox"/>	N1, N19 D – Fig 9	<input type="checkbox"/>	<input type="checkbox"/>	Maximize the protection of existing drainage features and existing vegetation	D & N
<input checked="" type="checkbox"/>	N1, N19 D – Fig 3 & 9	<input type="checkbox"/>	<input type="checkbox"/>	Minimize land clearing and grading	D & N
<input checked="" type="checkbox"/>	N-20	<input type="checkbox"/>	<input type="checkbox"/>	Minimize soil compaction	D or N
<input checked="" type="checkbox"/>	N1, N15- N21 D - Figs 3-10	<input type="checkbox"/>	<input type="checkbox"/>	Utilize other structural or nonstructural BMPs that prevent or minimize changes in stormwater runoff	D & N
Existing topographic features of the project site and the immediate surrounding area §102.8(f)(1)					
Applicant		Reviewer		Item	Item Location
Included	Page Number	C	NC		
<input checked="" type="checkbox"/>	Fig 2	<input type="checkbox"/>	<input type="checkbox"/>	Topographic map(s) of the project site provided	D
<input checked="" type="checkbox"/>	Fig 1	<input type="checkbox"/>	<input type="checkbox"/>	Location map (USGS quadrangle) provided	D
<input checked="" type="checkbox"/>	Fig 2	<input type="checkbox"/>	<input type="checkbox"/>	Type of cover	D
Types, depth, slope, locations and limitations of the soils and geologic formations §102.8(f)(2)					
Applicant		Reviewer		Item	Item Location
Included	Page Number	C	NC		
<input checked="" type="checkbox"/>	Fig 1	<input type="checkbox"/>	<input type="checkbox"/>	Soil map provided	D
<input checked="" type="checkbox"/>	N4	<input type="checkbox"/>	<input type="checkbox"/>	Soil use limitations and their resolutions provided	D or N
<input checked="" type="checkbox"/>	N5 D – Fig 1	<input type="checkbox"/>	<input type="checkbox"/>	Site characterization of soil and geology, including appropriate infiltration and geological studies that identify location, depths, and methodology	D & N
<input type="checkbox"/>	N/A	<input type="checkbox"/>	<input type="checkbox"/>	Geologic mapping features addressed where appropriate	D or N

Characteristics of the project site, including the past, present and proposed land uses and the proposed alteration to the project site §102.8(f)(3)					
Applicant		Reviewer		Item	Item Location
Included	Page Number	C	NC		
<input checked="" type="checkbox"/>	Figs 2 & 3	<input type="checkbox"/>	<input type="checkbox"/>	Permit boundaries	D
<input checked="" type="checkbox"/>	Fig 3	<input type="checkbox"/>	<input type="checkbox"/>	Proposed limits of disturbance	D
<input checked="" type="checkbox"/>	Fig 4	<input type="checkbox"/>	<input type="checkbox"/>	Proposed contours and grades	D
<input checked="" type="checkbox"/>	Figs 3, 4 & 9	<input type="checkbox"/>	<input type="checkbox"/>	Proposed improvements (i.e. roads, buildings, utilities etc.)	D
<input checked="" type="checkbox"/>	N3, N4, Figs 2 & 9	<input type="checkbox"/>	<input type="checkbox"/>	Past, present and proposed land uses	N
<input checked="" type="checkbox"/>	Fig 4	<input type="checkbox"/>	<input type="checkbox"/>	Proposed waterways and stormwater management facilities shown on the plan maps	D
<input checked="" type="checkbox"/>	Figs 3 & 4	<input type="checkbox"/>	<input type="checkbox"/>	Proposed impervious areas minimized & shown on plan map(s)	D
Net change in volume and rate of stormwater §102.8(f)(4)					
Applicant		Reviewer		Item	Item Location
Included	Page Number	C	NC		
<input checked="" type="checkbox"/>	N4, APP B & C	<input type="checkbox"/>	<input type="checkbox"/>	Design storm used for calculations identified	N
<input checked="" type="checkbox"/>	N14, APP B & C	<input type="checkbox"/>	<input type="checkbox"/>	Pre- and post-construction hydrology runoff rate and volume are identified for the each drainage area of entire project site	N
<input checked="" type="checkbox"/>	N14, APP B & C	<input type="checkbox"/>	<input type="checkbox"/>	The net change in runoff rate and volume are identified for each drainage area of the entire project site	N
<input checked="" type="checkbox"/>	N14, APP B & C	<input type="checkbox"/>	<input type="checkbox"/>	Summary table in NOI consistent with runoff calculations	N
Receiving surface waters §102.8(f)(5)					
Applicant		Reviewer		Item	Item Location
Included	Page Number	C	NC		
<input checked="" type="checkbox"/>	Fig 2	<input type="checkbox"/>	<input type="checkbox"/>	Existing streams, wetlands, floodways, and watercourses shown on plan map(s)	D
<input checked="" type="checkbox"/>	N6, N7	<input type="checkbox"/>	<input type="checkbox"/>	Existing and designated uses identified	D or N
<input type="checkbox"/>	N/A	<input type="checkbox"/>	<input type="checkbox"/>	Boundaries for HQ or EV watersheds shown on plan map(s)	D
<input type="checkbox"/>	N/A	<input type="checkbox"/>	<input type="checkbox"/>	Wetland boundaries consistent with delineation report	D
Written Description of the PCSM BMPs §102.8(f)(6)					
Applicant		Reviewer		Item	Item Location
Included	Page Number	C	NC		
<input checked="" type="checkbox"/>	N19-N21, Figs 4-8	<input type="checkbox"/>	<input type="checkbox"/>	All permanent PCSM BMPs identified in the narrative and shown on plan drawings	D & N
<input checked="" type="checkbox"/>	Figs 6-8, APP F	<input type="checkbox"/>	<input type="checkbox"/>	Specifications for all permanent PCSM BMPs provided	D
<input checked="" type="checkbox"/>	Fig 7	<input type="checkbox"/>	<input type="checkbox"/>	Proprietary BMP systems are illustrated on the drawings in accordance with their manufacturer's requirements	D
Sequence of PCSM BMP implementation or installation §102.8(f)(7)					
Applicant		Reviewer		Item	Item Location
Included	Page Number	C	NC		
<input checked="" type="checkbox"/>	N19	<input type="checkbox"/>	<input type="checkbox"/>	Complete and site specific sequence of BMP installations provided	D
<input type="checkbox"/>	N/A	<input type="checkbox"/>	<input type="checkbox"/>	Construction sequence addresses all structural BMPs	D
<input checked="" type="checkbox"/>	N19 - N21	<input type="checkbox"/>	<input type="checkbox"/>	Sequence for individual BMP installation	D
<input type="checkbox"/>	N/A	<input type="checkbox"/>	<input type="checkbox"/>	Critical stages of BMP installation are identified	D
<input type="checkbox"/>	N/A	<input type="checkbox"/>	<input type="checkbox"/>	Protection provided for infiltration BMPs until drainage areas completely stabilized	D

Supporting calculations §102.8(f)(8)					
Applicant		Reviewer		Item	Item Location
Included	Page Number	C	NC		
<input type="checkbox"/>	N/A	<input type="checkbox"/>	<input type="checkbox"/>	Worksheets from the Stormwater BMP Manual provided when applicants have utilized the manual to meet design standards	N
<input checked="" type="checkbox"/>	N19, APP B & C	<input type="checkbox"/>	<input type="checkbox"/>	Figures contained on worksheets consistent with those in NOI/application	N
<input checked="" type="checkbox"/>	N8-18, APP B & C	<input type="checkbox"/>	<input type="checkbox"/>	Calculations for all permanent BMPs and points of interest provided	N
<input checked="" type="checkbox"/>	N8-9, APP B & C	<input type="checkbox"/>	<input type="checkbox"/>	Methodology used for all calculations is identified.	N
<input checked="" type="checkbox"/>	N16-18, APP B, C, D, & E	<input type="checkbox"/>	<input type="checkbox"/>	Routing analysis to demonstrate peak control for the 2-, 10-, 50-, and 100-year/24-hour storm events, which considers benefits of proposed BMPs provided	N
Plan drawings §102.8(f)(9)					
Applicant		Reviewer		Item	Item Location
Included	Page Number	C	NC		
<input checked="" type="checkbox"/>	APP B & D	<input type="checkbox"/>	<input type="checkbox"/>	Locations of all proposed BMPs shown along with tributary drainage areas	D
<input checked="" type="checkbox"/>	Fig 4, APP B, D, & E	<input type="checkbox"/>	<input type="checkbox"/>	Existing and proposed discharges & points of interest shown	D
<input checked="" type="checkbox"/>	Figs 3-10	<input type="checkbox"/>	<input type="checkbox"/>	PCSM Plan drawings consistent with E&S Plan in relation to proposed contours, improvements, soils, wetlands, floodways, streams, discharge locations, etc.	D
<input checked="" type="checkbox"/>	Figs 4-8	<input type="checkbox"/>	<input type="checkbox"/>	Construction details provided for all PCSM BMPs	D
<input checked="" type="checkbox"/>	N-APP B & C, D - Figs 4-8	<input type="checkbox"/>	<input type="checkbox"/>	Dimensions and elevations consistent with those used in supporting calculations	D & N
Long-term operation and maintenance schedule §102.8(f)(10)					
Applicant		Reviewer		Item	Item Location
Included	Page Number	C	NC		
<input checked="" type="checkbox"/>	Fig 10	<input type="checkbox"/>	<input type="checkbox"/>	Inspection schedule of each permanent BMP is provided	D
<input checked="" type="checkbox"/>	N - App G, D - Fig 10	<input type="checkbox"/>	<input type="checkbox"/>	Directions for maintenance and/or replacement of each BMP provided	D
Recycling or disposal of materials §102.8(f)(11)					
Applicant		Reviewer		Item	Item Location
Included	Page Number	C	NC		
<input checked="" type="checkbox"/>	D-Figs 3 & 4	<input type="checkbox"/>	<input type="checkbox"/>	Project wastes identified	D
<input checked="" type="checkbox"/>	D-Figs 3 & 4	<input type="checkbox"/>	<input type="checkbox"/>	Directions for recycling /disposal of wastes provided	D
Geologic formations or soil conditions §102.8(f)(12)					
Applicant		Reviewer		Item	Item Location
Included	Page Number	C	NC		
<input checked="" type="checkbox"/>	N4, N5	<input type="checkbox"/>	<input type="checkbox"/>	Potential for geologic or soil conditions to cause pollution during construction identified	N
<input checked="" type="checkbox"/>	Fig 3	<input type="checkbox"/>	<input type="checkbox"/>	Instructions for proper handling and/or disposal of all materials which could cause pollution are provided	D
<input checked="" type="checkbox"/>	Fig 3 & 4	<input type="checkbox"/>	<input type="checkbox"/>	Typical details & instructions provided for proper handling and/or disposal of all such materials	D
<input checked="" type="checkbox"/>	Fig 3	<input type="checkbox"/>	<input type="checkbox"/>	Locations of all such materials clearly shown on plan maps	D

Potential thermal impacts §102.8(f)(13)					
Applicant		Reviewer		Item	Item Location
Included	Page Number	C	NC		
<input checked="" type="checkbox"/>	N21	<input type="checkbox"/>	<input type="checkbox"/>	Description provided of how thermal impacts of stormwater runoff from project site were avoided, minimized, or mitigated	N

Riparian forest buffer management plan §102.8(f)(14)					
Applicant		Applicant		Item	Item Location
Included	Page Number	C	NC		
<input type="checkbox"/>	N/A	<input type="checkbox"/>	<input type="checkbox"/>	Existing and/or proposed riparian forest buffers shown on plan map(s)	D
<input type="checkbox"/>	N/A	<input type="checkbox"/>	<input type="checkbox"/>	Impairment and TMDL status of the receiving water(s) for the project indicated	N
<input type="checkbox"/>	N/A	<input type="checkbox"/>	<input type="checkbox"/>	Waiver request includes alternatives analysis for compliance with riparian buffers & demonstration that existing riparian buffers are protected to maximum extent practicable & otherwise meet requirements of Chapter 102.	N
<input type="checkbox"/>	N/A	<input type="checkbox"/>	<input type="checkbox"/>	Areas proposed to be waived from riparian buffer obligations clearly delineated	D



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Date Prepared/Revised
July 2013

DEP USE ONLY

Date Received

FORM B PROFESSIONAL CERTIFICATION

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form B, reference the item number and identify the date prepared. The "date prepared/revised" on any attached sheets needs to match the "date prepared/revised" on this page.

General References: Section 271.122, 287.122

SECTION A. SITE IDENTIFIER

Applicant/permittee: Trinity Industries, Inc.

Site Name: South Plant Site - Site Cleanup Activities

Facility ID (as issued by DEP): 731732

SECTION B. REGISTERED PROFESSIONAL ENGINEER

I, Veronica E. Foster

(Engineer's Name - Print or Type)

being a Registered Professional Engineer in accordance with the Pennsylvania Professional Engineer's Registration Law, do hereby certify to the best of my knowledge, information, and belief that the information contained in the accompanying application, plans, specifications, and reports has been prepared in accordance with accepted practice of engineering, are true and correct, and are in accordance with the Rules and Regulations of the Department of Environmental Protection. I also certify that those individuals indicated in the following paragraphs prepared this application under my supervision. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Signature

Veronica E Foster

Date

7/24/13

License Number PE055428E

Expiration Date 9/30/2013

Address

Golder Associates Inc.

200 Century Parkway, Suite C

Mt. Laurel, NJ 08054

Telephone No. (856) 793-2005



SECTION C. SOIL SCIENTIST PROVIDING SOILS INFORMATION

I, _____ do hereby certify
(Soil Scientists Name – Print or Type)

to the best of my knowledge, information, and belief that the soils information contained in this application has been prepared in accordance with accepted practices of soil science and in accordance with the Rules and Regulations of the Department of Environmental Protection. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Signature _____ Date _____

Address _____

Telephone No. () _____

SECTION D. REGISTERED PROFESSIONAL GEOLOGIST

I, _____ being a
(Hydrogeologist's Name – Print or Type)

Registered Professional Geologist in accordance with the Pennsylvania Professional Geologists Registration Law, do hereby certify to the best of my knowledge, information, and belief that the hydrogeology information contained in this application has been prepared in accordance with the accepted practices of hydrogeology and in accordance with the Rules and Regulations of the Department of Environmental Protection. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Signature _____ Date _____

License Number _____ Expiration Date _____

Address _____

Professional
Seal

Telephone No. () _____



FORM B1
APPLICATION FORM CERTIFICATION

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form B1, reference the item number and identify the date prepared. The "date prepared/revised" on any attached sheets needs to match the "date prepared/revised" on this page.

SECTION A. SITE IDENTIFIER

Applicant/permittee: Trinity Industries, Inc.

Site Name: South Plant Site - Site Cleanup Activities

Facility ID (as issued by DEP): 731732

SECTION B. CERTIFICATION

Professional Engineer

I, Veronica E. Foster

(Engineer's Name -Print or Type)

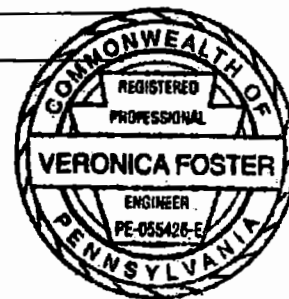
being a Registered Professional Engineer in accordance with the Pennsylvania Professional Engineer's Registration Law, do hereby certify that the forms used in the accompanying application have been reproduced under my supervision and have the same exact content and the same format as the forms prepared by the Department. I am aware that there are significant penalties for altering the content of the Department's forms, including the possibility of fines and imprisonment.

Signature

Date

7/24/13License Number PE055426EExpiration Date 9/30/2013

Address

Golder Associates Inc.Professional
Seal200 Century Parkway, Suite CMt. Laurel, NJ 08054Telephone No. (856) 793-2005

GOLDER ASSOCIATES INC.

3730 CHAMBLEE TUCKER ROAD
ATLANTA, GEORGIA 30341

PLEASE DETACH AND RETAIN FOR YOUR RECORDS

INVOICE NUMBER

DATE

VOUCHER NO.

AMOUNT

Account Number:

M78946

540900

MERC071813

7/18/2013

247263

1,500.00

COPY

TOTAL:

1,500.00

THIS DOCUMENT CONTAINS BLEED THRU NUMBERING, AND MICROPRINT SIGNATURE LINES.

GOLDER ASSOCIATES INC.
PAYABLES ACCOUNT
3730 CHAMBLEE TUCKER ROAD
ATLANTA, GEORGIA 30341
(770) 496-1893

540900

Wachovia
Atlanta, Georgia64-22
610

7/18/2013

NO. 540900

*****1,500 DOLLARS AND *****00 CENTS \$ *****1,500.00

TO THE
ORDER
OFMercer County Clean Water Fund
24 Avalon Court, Suite 300
Mercer, PA 16137 US

COPY

VOID AFTER 120 DAYS
GOLDER ASSOCIATES INC.

PER

PER

⑈540900⑈ ⑆061000227⑆2000036895892⑈

GOLDER ASSOCIATES INC.

3730 CHAMBLEE TUCKER ROAD
ATLANTA, GEORGIA 30341

PLEASE DETACH AND RETAIN FOR YOUR RECORDS

INVOICE NUMBER	DATE	VOUCHER NO.	AMOUNT
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Account Number:

M85963

540901

MERC071813

7/18/2013

247262

800.00

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TOTAL:

800.00

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**Golder
Associates**

GOLDER ASSOCIATES INC.
PAYABLES ACCOUNT
3730 CHAMBLEE TUCKER ROAD
ATLANTA, GEORGIA 30341
(770) 496-1893

540901

Wachovia
Atlanta, Georgia

64-22
610

7/18/2013

NO. 540901

*****800 DOLLARS AND

*****00 CENTS

\$

*****800.00

FOR THE
ORDER
OF

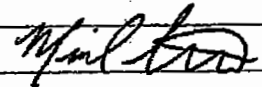
Mercer County Conservation District
24 Avalon Court, Suite 300
Mercer, PA 16137 US

 COPY

VOID AFTER 120 DAYS
GOLDER ASSOCIATES INC.

PER

PER



⑈ 540901 ⑈ ⑈ 06 1000 227 ⑈ 2000036895892 ⑈

GOLDER ASSOCIATES INC.

3730 CHAMBLEE TUCKER ROAD
ATLANTA, GEORGIA 30341

PLEASE DETACH AND RETAIN FOR YOUR RECORDS

INVOICE NUMBER

DATE

VOUCHER NO.

AMOUNT

Account Number:

P23236

540903

PENN071813

7/18/2013

247264

3,000.00

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TOTAL:

3,000.00

THIS DOCUMENT CONTAINS BLEED THRU NUMBERING, AND MICROPRINT SIGNATURE LINES.



GOLDER ASSOCIATES INC.
PAYABLES ACCOUNT
3730 CHAMBLEE TUCKER ROAD
ATLANTA, GEORGIA 30341
(770) 496-1893

540903

Wachovia
Atlanta, Georgia

84-22
610

7/18/2013

NO. 540903

*****3,000 DOLLARS AND

*****00 CENTS

\$ *****3,000.00

TO THE
ORDER
OF

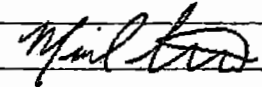
Pennsylvania Dept of Environ Protec
Commonwealth of Pennsylvania
555 Walnut St Fl 9 Forum Place
Harrisburg, PA 17101-1921 US

 COPY

VOID AFTER 120 DAYS
GOLDER ASSOCIATES INC.

PER

PER



540903 061000227 2000036895892

ATTACHMENT B
NPDES INDIVIDUAL PERMIT
NOTICE OF INTENT



OFFICIAL USE ONLY

ID # _____
Date Received _____

**PERMIT APPLICATION
NOTICE OF INTENT FOR COVERAGE
UNDER THE GENERAL (PAG-02) NPDES PERMIT
OR
APPLICATION FOR AN INDIVIDUAL NPDES
PERMIT FOR STORMWATER DISCHARGES
ASSOCIATED WITH CONSTRUCTION ACTIVITIES**

PLEASE READ THE PERMIT SUMMARY SHEET AND INSTRUCTIONS PROVIDED IN THIS PERMIT APPLICATION PACKAGE BEFORE COMPLETING THIS FORM. COMPLETE THE ATTACHED CHECKLIST AND APPROPRIATE WORKSHEETS.

PLEASE PRINT OR TYPE INFORMATION IN BLACK OR BLUE INK:

PERMIT TYPE		GENERAL <input type="checkbox"/>		INDIVIDUAL <input checked="" type="checkbox"/>	
APPLICATION TYPE		NEW <input checked="" type="checkbox"/>		RENEWAL <input type="checkbox"/>	
		MAJOR MODIFICATION <input type="checkbox"/>		PHASED <input type="checkbox"/>	
SECTION A. APPLICANT INFORMATION					
Applicant Name		Phone		(214) 589-8409	
Terry Barrett, Trinity Industries, Inc.		FAX		(214) 589-8075	
Mailing Address		City		State	
2525 Stemmons Freeway		Dallas		TX	
				ZIP + 4	
				75207	
Employer ID (EIN)		75-0225040			
Email Address		terry.barrett@trin.net			
Co-Applicant's Name		Phone			
		FAX			
Mailing Address		City		State	
				ZIP + 4	
				NJ	
Employer ID (EIN)					
Email Address					
SECTION B. PROJECT INFORMATION					
1. Project Name: Site Cleanup Activities – South Plant Site					
2. Total Project Site (Acres): 53			3. Total Disturbed Area (Acres): 30		
4. Project Description					
Environmental remediation of a former rail car manufacturing plant					
<input type="checkbox"/> Residential Subdivision		<input type="checkbox"/> Sewerage/Water System		<input type="checkbox"/> Private Road/Residence	
<input type="checkbox"/> Commercial/Industrial		<input type="checkbox"/> Public Road		<input type="checkbox"/> Government Facility	
<input type="checkbox"/> Utility Facility/Transmission		<input type="checkbox"/> Recreational		<input checked="" type="checkbox"/> Remediation/Restoration	
5. Project Location or Physical Address (if available):					
Address		City		State	
100 York Street		Greenville		PA	
				ZIP + 4	
				16125-1528	
6. Project County		Project Municipality		City	
Mercer		Hempfield Township		Boro	
				Twp	
				<input checked="" type="checkbox"/>	
				<input type="checkbox"/>	
				<input type="checkbox"/>	

7. Project Latitude: 41 ° / 23 ' / 44 " Project Longitude: 80 ° / 23 ' / 9.75 "

7a. Collection Method: ☒ EMAP ☐ HGIS ☐ GISDR ☐ ITPMP ☐ GPS ☐ WAAS ☐ LORAN

7b. Horizontal reference datum (or projection datum) employed in the collection method. (EMAP and HGIS (PNDI) have known datum and do not require checking here.) ☐ NAD27 ☐ NAD83 ☒ WGS84 (GEO84)

Enter the date of collection if the lat and long coordinates were derived from GPS, WAAS or LORAN. ____ mm ____ dd ____ yyyy

8. U.S.G.S. Quad Map Name(s) Greenville West

SECTION C. SITE ANALYSIS

1. Existing and Previous Uses of the Project Site:

- 1a. Existing Land Uses: ☐ Agriculture ____ % ☒ Forest/Woodland 20 % ☐ Barren ____ %
☐ Urban ____ % ☒ Brownfield 80 % ☐ Other ____ %
- 1b. Historical Land Uses: ☐ Agriculture ____ % ☒ Forest/Woodland 15 % ☐ Barren ____ %
☐ Urban ____ % ☐ Brownfield ____ % ☒ Other, Industrial 85%

2. Potential Toxic or Hazardous Pollutants:

Pollutant	Concentration w/Units	Source	Sample Type	Date(s) / Number of Samples
Metals, SVOCs, VOCs	Greater than non-residential soil MSCs	Impacted Soils	Surface and subsurface grab samples	Multiple. See Remedial Investigation report approved by PADEP on March 31, 2010

3. Fill Material

Will the applicant need to import or export fill for the project site? Clean fill can not be placed in or on waters of the Commonwealth. If fill will be imported or exported, Form FP-001 (Document # 258-2182-773) must be used to certify origin of the fill material.

Check the appropriate box

- ☒ Import fill – the applicant will, in most situations, be responsible to perform environmental due diligence and determine that all fill imported to the site meets the department's definition of clean fill. The plan designer must include a note on the drawings to identify the operator(s) responsibility and provide the definition of Clean Fill and Environmental Due Diligence.
- ☐ Export fill – the Applicant is responsible for performing environmental due diligence at the time this application was submitted to determine that any fill exported from the site will be certified as clean fill.

4. Estimated Timetable for Phased Projects (Complete for phased projects only)

Phase No. or Name	Proposed Type of Activity	Total Area	Disturbed Area	Start Date	End Date
	Mobilization	n/a	n/a	09/2013	10/2013
	Cleanup Plan Construction	30	30	10/2013	07/2014
	De-Mobilization	n/a	n/a	07/2014	07/2014

5. Waters to Which Project Discharges (Check all that apply)

- ☒ Waters of the Commonwealth ☐ Municipal Separate Storm Sewer (MS4) ☒ Private Storm Sewer
☐ Combined Sewer Overflow System ☐ Non Surface Waters

5.a. ☒ Waters of the Commonwealth to which the project discharges or has the potential to discharge to (including EV wetlands) other than MS4s, CSOs, private storm sewers:

Name of Waters	Designated Use of Water	Existing Use of Water
<u>Mathay Run (not EV or HQ)</u>	<u>WWF</u>	<u>WWF</u>

<input type="checkbox"/> Combined Sewer Overflow System to which the project discharges:	<input type="checkbox"/> Municipal Separate Storm Sewer (MS4) to which the project discharges:	<input type="checkbox"/> Private Storm Sewer to which the project discharges:	<input type="checkbox"/> Non Surface Water: (including discharges): off-site
--	--	---	--

5b. Does the site discharge to waters classified as impaired according to Category 4 of PA Integrated Water Quality Monitoring and Assessment Report? ☐ Yes ☒ No (Note: Draft 2012 report was used, because 2010 report not viewable)

If yes, list source and cause of impairment: _____

5c. Does the site discharge to waters with a TMDL according to Category 5 of the PA Integrated Water Quality Monitoring & Assessment Report? ☐ Yes ☒ No

If yes, list source and cause of impairment TMDL addresses: _____

SECTION D. EROSION & SEDIMENTATION (E & S) AND POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM)

Note: For projects involving multiple points of discharge, please submit a complete, separate Section D for each additional point of discharge.

1. E & S Plan The E & S Plan must satisfy at least one of subparagraph A or B below.

A. ☒ E & S plan is designed using BMPs in the Pennsylvania Erosion & Sedimentation Pollution Control Manual (ESPC) (Technical Guidance #3632134-008/March 2012)

OR

B. ☐ E & S plan is designed using an alternative BMP or design standard

2. PCSM Plan

The PCSM Plan must satisfy either subparagraph A, or B or C below.

A. ☒ Act 167 Plan approved on or after January 2005 – The attached PCSM Plan, in its entirety, is consistent with all requirements pertaining to rate, volume, and water quality from an approved Act 167 Stormwater Management Plan.

Complete the following table for all applicable approved Act 167 Stormwater Management Plans. (use additional sheets if necessary)

ACT 167 Plan Name	Date Adopted	Consistency Letter Included <input type="checkbox"/>
-------------------	--------------	--

Stormwater Management Ordinance.

Hempfield Ordinance 2011-3	July 5, 2011	Consistency Letter Pending <input checked="" type="checkbox"/>
----------------------------	--------------	--

OR

B. ☐ The PCSM Plan meets the standard design criteria from the 25 Pa. Code Chapter 102.8(g)(2) and (3).

OR

C. ☐ Alternative Design Standard – The attached PCSM plan was developed using approaches other than those in 25 Pa. Code Chapter 102.8(g)(2) and (3). Demonstrate how this standard will be either more protective than what is required in 25 Pa. Code Chapter 102.8(g)(2) and (3). and will maintain and protect existing water quality and existing and designated uses as allowed in 102.8(g)(2)(iv) and 102.8(g)(3)(iii).

3. Summary Table for Supporting Calculation and Measurement Data

Please reference the stormwater methodology used (Numbers generated in this table should be consistent with Worksheets 1-5.)

Hydrocad

	Pre-construction	Post Construction	Net Change
Design storm frequency <u>2-yr, 24-hr</u> Rainfall amount <u>2.45</u> inches			
Impervious area (acres)	¹ 12.08	² 12.08	³ 0
Volume of stormwater runoff <input type="checkbox"/> acre-feet or <input checked="" type="checkbox"/> cubic feet without planned stormwater BMPs (check appropriate box)	⁴ 139,697	⁵ 143,429	⁶ 3,732
Volume of stormwater runoff <input type="checkbox"/> acre-feet or <input checked="" type="checkbox"/> cubic feet with planned stormwater BMPs (check appropriate box)		12,928	12,928
Stormwater peak discharge rate for the design frequency storm (cubic feet per second)	⁹ 17.87	¹⁰ 16.88	¹¹ -0.99

Box 1. Pre-construction impervious area: The total acres of impervious area on the project site before construction activities begin, based on land use for five years preceding the planned project.

Box 2. Post construction impervious area: The total acres of impervious area on the project site after construction activities have been completed.

Box 3. Net change of impervious area: The difference between the acres of impervious area listed in Box 1 and Box 2. Zero or negative values are acceptable.

Box 4. Pre-construction stormwater runoff volume without planned BMPs: The amount of stormwater runoff volume from the project site that would result from the design storm occurrence before construction activities begin, based on land use for five years preceding the project.

Box 5. Post construction stormwater runoff volume without planned BMPs: The amount of stormwater runoff volume from the project site that would result from the design storm occurrence after construction activities have finished assuming that no stormwater infiltration or retention BMPs have been installed.

Box 6. Net change in stormwater volume without planned BMPs: The difference between the amounts of stormwater runoff volume listed in Box 4 and Box 5.

Box 7. Post construction stormwater runoff volume with planned BMPs: The amount of stormwater runoff volume from the project site that would result from the design storm occurrence after construction activities have finished and the planned stormwater infiltration or retention BMPs have been installed.

Box 8. Net change in stormwater runoff volume with planned BMPs: The difference between the amounts of stormwater runoff volume listed in Box 4 and Box 7.

Box 9. Pre-construction stormwater discharge rate: The stormwater runoff discharge rate for the design frequency storm as determined by the land use for the past five years.

Box 10. Post construction stormwater discharge rate: The stormwater runoff discharge rate for the design frequency storm event after all planned stormwater BMPs are installed.

Box 11. Net change stormwater discharge rate: The difference between the stormwater runoff discharge rates listed in Box 9 and Box 10.

4. Summary Description of Post Construction Stormwater BMPs (consistent with the design or applicable worksheets)

Key: RC = Rate Control VC = Volume Control WQ = Water Quality

In the lists below, check the BMPs identified in the PCSM Plan, and their function(s) using the above Key. More than one function may be checked for a BMP. List the stormwater volume and area of runoff to be treated by each BMP type. If any BMP in the PCSM Plan is not listed below, it must be described in the space provided after "Other".

BMP	Function(s)	Volume of stormwater treated	Acres treated
<input type="checkbox"/> Wet ponds	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Constructed wetlands	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Retention basins	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Detention basin	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Underground detention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input checked="" type="checkbox"/> Dry Extended detention basin	<input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	12,928	5.73
<input type="checkbox"/> Sediment fore bay	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Infiltration trench	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Infiltration Berm/Retentive Grading	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Subsurface Infiltration bed	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Infiltration basin	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Pervious pavement	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Dry well/Seepage pit	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Bio-infiltration areas	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Rain gardens/Bio-retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Vegetated swales	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Constructed filters	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Protect Sensitive & Special Value Features	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Protect/Convert/Establish Riparian buffers	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Restoration: Buffers/ Landscape/Floodplain	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Disconnection from storm sewers	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Rooftop disconnection	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Vegetated roofs	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Runoff capture/Reuse	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Oil/grit separators	<input type="checkbox"/> WQ		
<input type="checkbox"/> Water quality inserts/inlets	<input type="checkbox"/> WQ		
<input type="checkbox"/> Street sweeping	<input type="checkbox"/> WQ		
<input checked="" type="checkbox"/> Other <u>Vegetated engineered cap</u>	<input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	* see note below	*see note below
<input type="checkbox"/> Other _____	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		

5. Off Site Discharge Analysis

Does the project propose any off-site discharges to areas other than surface waters? ☐ Yes ☒ No

If yes, the applicant must have appropriate easement that provides the legal authority for this off-site discharge. In addition, applicant must provide a demonstration in both the E&S and PCSM plans that the discharge will not cause erosion, damage, or nuisance to off-site properties.

***Site Cleanup Activities will return the site to the pre-construction (existing) surface character in the excavation areas. The former disposal areas will be the location for consolidation of on-site impacted soils and will be capped with a geosynthetic and soil cap. The former disposal area is currently wooded, while the future cap will be vegetated with meadow grasses and non-woody species.**

6. Potential Pollution Causing Materials

Identify naturally occurring geologic formations or soil conditions that may have the potential to cause pollution during earth disturbance activities and include BMPs to avoid or minimize potential pollution and its impacts from the formation.

On-site soils in the excavation areas are impacted with metals, VOCs, and SVOCs. VOC and SVOC impacted soils will be excavated and disposed off-site. Select metals impacted soils will be pre-conditioned before on-site consolidation in the Former Disposal Areas. The majority of metals impacted soils will be consolidated in the Former Disposal Areas. While these soils may be a source for pollution, it will be mitigated through implementation of BMPs (i.e. silt fence, rockfilters/check dams, compost socks, etc.) as described in the Erosion and Sediment Control Plan.

7. Riparian Buffers N/A – No Riparian Buffer**A. Will the project protect, convert or establish a riparian buffer or a riparian forest buffer?**Protect ☐ Yes ☐ NoConvert ☐ Yes ☐ NoEstablish ☐ Yes ☐ No

If protecting, converting or establishing a riparian forest buffer, a riparian forest buffer management plan must be included as part of the PCSM plan.

B. If the project will not provide the full 150 foot buffer required in accordance with 102.14(a)(1) or 102.14(a)(2), please list the waiver provisions in 102.14(d)(2)(i)-(vi), that are being requested and provide additional documentation to demonstrate reasonable alternatives for compliance with 102.14 requirements.**C. Will you be protecting, converting or establishing a voluntary riparian forest buffer as part of this project site?** ☐ Yes ☐ No

If yes, a riparian forest buffer management plan must be included as part of the PCSM plan.

8. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

The Site Cleanup Activities will maintain the general pre-construction surface character of the Site, with the exception of the eastern 2/3 of the Former Disposal Areas, which are currently wooded. As part of the construction, the Former Disposal Areas will receive an engineered, low-permeability cap as required by Pennsylvania Solid Waste Management Regulations. After construction, this area will be maintained in a meadow-grassed condition. Therefore, the Site Cleanup Activities should not result in an increase in thermal impacts of stormwater runoff.

9. Critical Stages

Identify the critical stages of implementation of the PCSM plan for which a licensed professional or designee shall be present on the project site.

1. Construction of detention basin.
2. Construction of diversion channel.
3. Post-construction Site Inspection prior to the removal of temporary erosion and sediment controls, and the release of the contractor.

NOT APPLICABLE

SECTION E. ANTIDEGRADATION ANALYSIS MODULE

**This Section is to be completed for Special Protection Waters Only
(Projects that drain to HQ/EV Waters and EV Wetlands)**

PART 1 NONDISCHARGE ALTERNATIVES EVALUATION

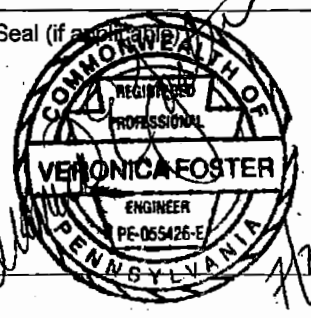
E & S Plan	Official Use Only	PCSM Plan	Official Use Only
Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used prior to, during, and after earth disturbance activities that have been incorporated into the E & S Plan based on the site analysis. For BMPs not checked, provide an explanation of why they were not utilized, attach additional sheets if necessary.		Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used after construction that have been incorporated into the PCSM Plan based on the site analysis. For BMPs not checked, provide an explanation of why they were not utilized, attach additional sheets if necessary.	
Nondischarge BMPs <input type="checkbox"/> Alternative Siting <input type="checkbox"/> Alternative location <input type="checkbox"/> Alternative configuration <input type="checkbox"/> Alternative location of discharge <input type="checkbox"/> Limited Disturbed Area <input type="checkbox"/> Limiting Extent & Duration of Disturbance (Phasing, Sequencing) <input type="checkbox"/> Riparian Buffers (150 ft min) <input type="checkbox"/> Riparian Forest Buffer (150 ft min) <input type="checkbox"/> Other _____		Nondischarge BMPs <input type="checkbox"/> Alternative Siting <input type="checkbox"/> Alternative location <input type="checkbox"/> Alternative configuration <input type="checkbox"/> Alternative location of discharge <input type="checkbox"/> Low Impact Development (LID / BSD) <input type="checkbox"/> Riparian Buffers (150 ft min) <input type="checkbox"/> Riparian Forest Buffer (150 ft min) <input type="checkbox"/> Infiltration <input type="checkbox"/> Water Reuse <input type="checkbox"/> Other _____	
Will the nondischarge alternative BMPs eliminate the change in rate, volume, or quality during and after construction? If yes, antidegradation analysis complete. <input type="checkbox"/> Yes <input type="checkbox"/> No If no, proceed to Part 2.			

NOT APPLICABLE**Part 2 Antidegradation Best Available Combination of Technologies (ABACT)**

If the net change in stormwater discharge during or after construction is not fully eliminated by nondischarge BMPs, the applicant must utilize ABACT BMPs to manage the change. The applicant must specify whether the discharge will occur during construction, post-construction or both, and identify the technologies that will be used to ensure that the discharge will be a non-degrading discharge.

E & S Plan	Official Use Only	PCSM Plan	Official Use Only
<input type="checkbox"/> Treatment BMPs: <input type="checkbox"/> Sediment basin with skimmer <input type="checkbox"/> Sediment basin ratio of 4:1 or greater (flow length to basin width) <input type="checkbox"/> Sediment basin with 4-7 day detention <input type="checkbox"/> Flocculants <input type="checkbox"/> Land disposal: <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input type="checkbox"/> Pollution prevention: <input type="checkbox"/> PPC Plans <input type="checkbox"/> Immediate stabilization <input type="checkbox"/> Street sweeping <input type="checkbox"/> Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials <input type="checkbox"/> Stormwater reuse technologies: <input type="checkbox"/> Sediment basin water for dust control <input type="checkbox"/> Sediment basin water for irrigation <input type="checkbox"/> Other _____		<input type="checkbox"/> Treatment BMPs: <input type="checkbox"/> Infiltration Practices <input type="checkbox"/> Wet ponds <input type="checkbox"/> Created wetland treatment systems <input type="checkbox"/> Vegetated swales <input type="checkbox"/> Manufactured devices <input type="checkbox"/> Bio-retention/infiltration <input type="checkbox"/> Green Roofs <input type="checkbox"/> Land disposal: <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian Buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input type="checkbox"/> Pollution prevention: <input type="checkbox"/> Disconnection of roof drainage <input type="checkbox"/> Bio-retention/bio-infiltration <input type="checkbox"/> Street sweeping <input type="checkbox"/> Nutrient, pesticide, herbicide or other chemical application plan alternatives <input type="checkbox"/> PPC Plans <input type="checkbox"/> Non-structural Practices <input type="checkbox"/> Land Preservation <input type="checkbox"/> Restoration BMPs <input type="checkbox"/> Stormwater reuse technologies: <input type="checkbox"/> Cisterns <input type="checkbox"/> Rain barrels <input type="checkbox"/> Dry hydrant with underground storage <input type="checkbox"/> Spray/Drip Irrigation <input type="checkbox"/> Other _____	
Are the ABACT BMPs selected sufficient to minimize E & S discharges to the extent that existing or designated surface water uses are protected? <input type="checkbox"/> Yes If yes, antidegradation analysis is complete. <input type="checkbox"/> No. If no, and the project discharges to a HQ water, proceed to Part 3. If no and the project discharges to an EV Water, contact the local conservation district or Department regional office.		Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected? <input type="checkbox"/> Yes If yes, antidegradation analysis is complete. <input type="checkbox"/> No. If no, and the project is located in a HQ water, proceed to Part 3. If no and the project discharges to an EV Water, contact the local conservation district or Department regional office.	
Part 3 Social or Economic Justification (SEJ) (for projects in high quality waters only) If the project discharges to HQ waters only, is there an important economic or social justification for the project? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, please contact the Department regional office for the county in which the project is located.			

SECTION F. CONSULTANT FOR THIS PROJECT

Name Veronica E. Foster, P.E.		eFACTS Consultant ID	
Title Senior Consultant PA License PE055426E	Consulting Firm Golder Associates Inc.	Seal (if applicable) 	
Mailing Address 200 Century Parkway, Suite C			
City Mt. Laurel	State NJ	ZIP+4 08054	
Email vfoster@golder.com	Phone 856-793-2005	Ext 34427	
	FAX 856-793-2006		

SECTION G. COMPLIANCE HISTORY REVIEW

Is/was the applicant(s) in violation of any Department regulation, order, schedule of compliance or permit or in violation of any Department regulated activities within the past five years?

☐ Yes ☒ No

If yes, list each permit order, schedule of compliance or project that is/was in violation and provide compliance status of the activity (use additional sheets to provide information on all permits).

Permit Program or Activity:

Permit Number (if applicable):

Brief description of non-compliance:

Steps taken to achieve compliance

Date(s) compliance achieved

Current Compliance Status: ☒ In-Compliance ☐ In Non-Compliance

If in non-compliance, please attach schedule for achieving compliance.

SECTION H. PERMIT COORDINATION

1. Are there pending permits or any other permits, approvals or planning requirements for this project?
- ☒ Yes ☐ No If yes, list each permit or approval, permit number, and description.
- a. Erosion & Sediment Control Plan; Mercer County Conservation District
- b. Hempfield Township Stormwater Management Site Plan Approval - Act 167 compliance
2. Does the project involve any of the following: placement of fill and/or excavation within or a placement of a structure located in, along, across, or projecting into a water course, floodway or body of water (including wetlands)?
- ☐ Yes ☒ No If yes, identify which authorization under Chapter 105 is applicable.
- ☐ Joint Permit ☐ General Permit ☐ Waiver
3. What is the project's 537 Plan status? Please note that 537 Plan approval is required prior to initiation of earth disturbance activity.
- NA – this project does not involve sewage generation or sewage disposal
4. Is the project associated with a brownfield remediation and/or requires an Act 2 approval? ☒ Yes ☐ No If yes, please indicate any coordination to date with the Department's Environmental Cleanup Program.

Revised Cleanup Plan approved by PADEP on May 24, 2013

SECTION I. CERTIFICATION

Applicant Certification

I certify under penalty of law that this application and all related attachments were prepared by me or under my direction or supervision by qualified personnel to properly gather and evaluate the information submitted. Based on my own knowledge and on inquiry of the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. The responsible official's signature also verifies that the activity is eligible to participate in the NPDES permit, and that BMP's, E&S Plan, PPC Plan, PCSM Plan, and other controls are being or will be, implemented to ensure that water quality standards and effluent limits are attained. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment or both for knowing violations pursuant to Section 309(c)(4) of the Clean Water Act and, 18 Pa. C.S. §§4903-4904.

Applicant**Co-Applicant (if applicable)**Richard T. Barrett, Remediation Manager

Print Name and Title of Person Signing

(214) 589-8409

Telephone Number of Person Signing

Richard T. Barrett

Signature of Applicant

7/24/2013

Date Signed

Print Name and Title of Person Signing

Telephone Number of Person Signing

Signature of Co-Applicant

Date Signed

Please note below the name, address and telephone number of the individual that should be contacted in the event additional information is required.

Name: Veronica E. Foster c/o Golder Associates Inc.Address: 200 Century Parkway, Suite C, Mount Laurel, New Jersey 08054Telephone: (856) 793-2005FAX: (856) 793-2006**Notarization:**~~Commonwealth of Pennsylvania~~ STATE OF TEXASCounty of DALLAS

Sworn to and Subscribed to Before Me This

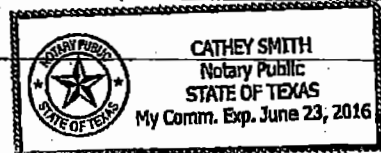
24th Day of July, 20 13

NOTARY

SEAL

Cathy Smith

Notary Public

My Commission Expires: 6-23-2016

APPENDIX A

Land Use Information Questions

Responses to the following questions are required to determine applicability of DEP's Land Use Policy for Permitting of Infrastructure and Facilities.

Note: Applicants are encouraged to submit copies of local zoning approvals with their authorization application.

LAND USE INFORMATION		
1.	Is there an adopted county or multi-county comprehensive plan?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
2.	Is there an adopted municipal or multi-municipal comprehensive plan?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
3.	Is there an adopted county-wide zoning ordinance, municipal zoning ordinance or joint municipal zoning ordinance?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
<p><i>If the applicant answers NO to either Question 1, 2, or 3, the provisions of the PA MPC are not applicable and the applicant does not need to respond to questions 4 and 5 below.</i></p> <p><i>If the applicant answers YES to questions 1, 2 and 3, the applicant should respond to questions 4 and 5 below.</i></p>		
4.	Does the proposed project meet the provisions of the zoning ordinance or does the proposed project have zoning approval? <i>If zoning approval has been received, attach documentation.</i>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
5.	Have you attached Municipal and County Land Use Letters for the project?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

Appendix D. Worksheets

Worksheet 1. General Site Information

INSTRUCTIONS: Fill out Worksheet 1 for each watershed

Date: 07/23/2013

Project Name: Site Cleanup Activities-- South Plant Site

Municipality: Hempfield Township

County: Mercer

Total Area (acres): 53

Major River Basin: Ohio River Basin

<http://www.pawaterplan.dep.state.pa.us/StateWaterPlan/docroot/default.aspx>

Watershed: Shenango River Watershed

Sub-Basin: HUC 5030102

Nearest Surface Water(s) to Receive Runoff: Mathay Run

Chapter 93 - Designated Water Use: WWF

<http://www.pacode.com/secure/data/025/chapter93/chap93toc.html>

Impaired according to Category 4 or 5 of the Integrated Water Quality Monitoring and Assessment Report? Yes ☐ No ☒

http://www.portal.state.pa.us/portal/server.pt/community/water_quality_standards/10556/integrated_water_quality_report_-_2010/682562

List Causes of Impairment:

Is there an established TMDL that applies:

Yes ☐ No ☒

Total Maximum Daily Loads (TMDLS)

http://www.dep.state.pa.us/watermanagement_apps/tmdl/

http://www.epa.gov/reg3wapd/tmdl/pa_tmdl/index.htm

Is project subject to, or part of:

Municipal Separate Storm Sewer System (MS4) Requirements?

Yes ☐ No ☒

http://www.portal.state.pa.us/portal/server.pt/community/stormwater_management/10628/npdes_ms4%C2%A0information/669119

Existing or planned drinking water supply?

Yes ☐ No ☒

If yes, distance from proposed discharge (miles):

Approved Act 167 Plan?

Yes ☐ No ☒

<http://www.portal.state.pa.us/portal/server.pt?open=514&objID=554325&mode=2>

Existing River Conservation Plan?

Yes ☒ No ☐

<http://www.dcnr.state.pa.us/brc/rivers/riversconservation/registry/>

Worksheet 2. Sensitive Natural Resources

INSTRUCTIONS

1. Provide Sensitive Resources Map according to non-structural BMP 5.4.1 in Chapter 5. This map should identify wetlands, woodlands, natural drainage ways, steep slopes, and other sensitive natural areas.

- Trees have grown atop the Former Disposal Areas that will be capped. These trees will be removed to allow remediation of this area.
- A wooded area across Mathay Run from the active portion of the Site is not being disturbed.
- There are steep slopes along Mathay Run and the drainage canal that will be protected.
- An existing drainage channel is being relocated due to the capping of the Former Disposal Areas.

2. Summarize the existing extent of each sensitive resource in the Existing Sensitive Resources Table (below, using Acres). If none present, insert 0.

3. Summarize Total Protected Area as defined under BMPs in Chapter 5.

0

4. Do not count any area twice. For example, an area that is both a floodplain and a wetland may only be considered once.

EXISTING NATURAL SENSITIVE RESOURCE	MAPPED? Yes/no/n/a	TOTAL AREA (Ac.)	PROTECTED AREA (Ac.)
Waterbodies (Mathay Run & Drainage Canal)	Yes	0.52	0.52
Floodplains	N/A		
Riparian Areas	N/A		
Wetlands	N/A		
Woodlands	Yes	12.0	8.0
Natural Drainage Ways	N/A		
Steep Slopes, 15% - 25%	N/A		
Steep Slopes, over 25%	Yes	0.75	0.75
Other:			
Other:			
TOTAL EXISTING:		13.27	9.27

NOT APPLICABLE

Worksheet 3. Nonstructural BMP Credits

PROTECTED AREA

1.1 Area of Protected Sensitive/Special Value Features (see WS 2) 9.27 Ac.
1.2 Area of Riparian Forest Buffer Protection 0 Ac.
3.1 Area of Minimum Disturbance/Reduced Grading 25 Ac
TOTAL 34.27 Ac

Site Area	Minus	Protected Area	=	Stormwater Management Area
<u>53</u>	-	<u>34.27</u>	=	<u>18.73</u>

This is the area that requires stormwater management

VOLUME CREDITS

3.1 Minimum Soil Compaction (See Chapter 8, page 22 – SW BMP Manual)

Lawn 0 ft² x 1/4" x 1/12 = 0 ft³

Meadow 249,599 (5.73 ac) ft² x 1/3" x 1/12 = 6,933 ft³

3.3 Protect Existing Trees (See Chapter 8, page 23 – SW BMP Manual)

For Trees within 100 feet of impervious area:

Tree Canopy 0 ft² x 1/2" x 1/12 = 0 ft³

5.1 Disconnect Roof Leaders to Vegetated Areas (See Chapter 8 page 25 – SW BMP Manual)

For runoff directed to areas protected under 5.8.1 and 5.8.2

Roof Area 0 ft² x 1/3" x 1/12 = 0 ft³

For all other disconnected roof areas

Roof Area 0 ft² x 1/4" x 1/12 = 0 ft³

5.2 Disconnect Non-Roof impervious to Vegetated Areas (See Chapter 8, page 26 – SW BMP Manual)

For Runoff directed to areas protected under 5.8.1 and 5.8.2

Impervious Area 0 ft² x 1/3" x 1/12 = 0 ft³

For all other disconnected roof areas

Impervious Area 0 ft² x 1/4" x 1/12 = 0 ft³

TOTAL NON-STRUCTURAL VOLUME CREDIT* 6,933 ft³

*For use on Worksheet 5

Worksheet 4. Change in Runoff Volume for 2-YR Storm Event

PROJECT: Site Cleanup Activities-- South Plant Site
Drainage Area: 53 acres
2-Year Rainfall: 2.45 in

Total Site Area: 53 acres
Protected Site Area: 9.27 acres
Managed Area: 43.73 acres

Existing Conditions:

Cover Type/Condition	Soil Type	Area (sf)	Area (ac)	CN	S	la (0.2*S)	Q Runoff ¹ (in)	Runoff Volume ² (ft ³)
Woodland	B	522,035	11.98	70	4.29	0.86	0.43	18,776
Meadow	C	605,048	13.89	71	4.08	0.82	0.47	23,519
Impervious	C	526,252	12.08	98	0.20	0.04	2.22	97,402
Meadow (isolated by tracks)	C	654,328	15.02	71	4.08	0.82	0.00	--
TOTAL:		2,307,663	53	-	-	-	-	139,697

Developed Conditions

Cover Type/Condition	Soil Type	Area (sf)	Area (ac)	CN	S	la (0.2*S)	Q Runoff ¹ (in)	Runoff Volume ² (ft ³)
Capped Disposal Areas	C	249,599	5.73	75	3.33	0.67	0.62	12,928
Woodland	B	347,795	7.98	70	4.29	0.86	0.43	12,509
Meadow	C	529,689	12.16	71	4.08	0.82	0.47	20,590
Impervious	C	526,252	12.08	98	0.2	0.04	2.22	97,402
Meadow (isolated by tracks)	C	654,328	15.02	71	4.08	0.82	0.00	--
TOTAL:		2,308,680	53	-	-	-	-	143,429

2-Year Volume Increase (ft³): 3,732

2-Year Volume Increase = Developed Conditions Runoff Volume – Existing Conditions Runoff Volume

1. Runoff (in) = $Q = (P - 0.2S)^2 / (P + 0.8S)$ where

P = 2-Year Rainfall (in)

S = $(1000 / CN) - 10$

2. Runoff Volume (CF) = Q x Area x 1/12

Q = Runoff (in)

Area = Land use area (sq. ft)

Note: Runoff Volume must be calculated for EACH land use type/condition and HSGI. The use of a weighted CN value for volume calculations is not acceptable.

Worksheet 5. Structural BMP Volume Credits

PROJECT: Site Cleanup Activities – South Plant
SUB-BASIN: Site

Required Control Volume (ft³) – from Worksheet 4: 3,732

Non-structural Volume Credit (ft³) – from Worksheet 3: 6,933

(maximum is 25% of required volume)

Structural Volume Reqmt (ft³) - 3,201

(Required Control Volume minus Non-structural Credit)

Proposed BMP		Area (ft ²)	Volume Reduction Permanently Removed (ft ³)
6.4.1	Porous Pavement		
6.4.2	Infiltration Basin		
6.4.3	Infiltration Bed		
6.4.4	Infiltration Trench		
6.4.5	Rain Garden/Bioretenion		
6.4.6	Dry Well / Seepage Pit		
6.4.7	Constructed Filter		
6.4.8	Vegetated Swale		
6.4.9	Vegetated Filter Strip		
6.4.10	Berm		
6.5.1	Vegetated Roof		
6.5.2	Capture and Re-use		
6.6.1	Constructed Wetlands		
6.6.2	Wet Pond / Retention Basin		
6.7.1	Riparian Buffer/Riparian Forest Buffer Restoration		
6.7.2	Landscape Restoration / Reforestation		
6.7.3	Soil Amendment		
6.8.1	Level Spreader		
6.8.2	Special Storage Areas		
Other			

Total Structural Volume (ft³): 0

Structural Volume Requirement (ft³): 0

DIFFERENCE 0

NOT APPLICABLE

**Worksheet 6 – Small Site/Small Impervious Area
Exception For Peak Rate Mitigation Calculations**

The following conditions must be met for exemption from peak rate analysis for small sites under CG-1:

- ☐ The 2-Year/24-Hour Runoff Volume increase must be met in BMPs designed in accordance with Manual Standards
- ☐ Total Site Impervious Area may not exceed 1 acre
- ☐ Maximum Development Area is 5 Acres
- ☐ Maximum site impervious cover is 50%
- ☐ No more than 25% Volume Control can be in Non-structural BMPs
- ☐ Infiltration BMPs must have an infiltration of at least 0.5 in/hr.

Site Area	Percent Impervious	Total Impervious
5 acre	20%	1 acre
2 acre	50%	1 acre
1 acre	50%	0.5 acre
0.5 acre	50%	0.25 acre

Worksheet 10 – Water Quality Compliance for Nitrate

Does the site design incorporate the following BMPs to address nitrate pollution? A summary "yes" rating is achieved if at least 2 Primary BMPs for nitrate are provided across the site or 4 secondary BMPs for nitrate are provided across the site (or the equivalent) "provided across the site" is taken to mean the specifications for that BMP set forward in Sections 5 and 6 are satisfied.

	Yes	No
Primary BMPs for Nitrate:	<input type="checkbox"/>	<input type="checkbox"/>
NS BMP 5.4.2 – Protect/Conserve/Enhance Riparian Buffers	<input type="checkbox"/>	<input checked="" type="checkbox"/>
NS BMP 5.5.4 – Cluster Uses at Each Site	<input type="checkbox"/>	<input checked="" type="checkbox"/>
NS BMP 5.6.1 – Minimize Total Disturbed Area	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NS BMP 5.6.3 – Re-Vegetate/Re-Forest Disturbed Areas (Native Species)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NS BMP 5.9.1 – Street Sweeping/Vacuuming (During Construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Structural BMP 6.7.1 – Riparian Buffer Restoration	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Structural BMP 6.7.2 – Landscape Restoration	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
Secondary BMPs for Nitrate:	<input type="checkbox"/>	<input type="checkbox"/>
NS BMP 5.4.1 – Protect Sensitive/Special Value Features	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NS BMP 5.4.3 – Protect/Utilize Natural Drainage Features	<input type="checkbox"/>	<input checked="" type="checkbox"/>
NS BMP 5.6.2 – Minimize Soil Compaction	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Structural BMP 6.4.5 – Rain Garden/Bioretenion	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Structural BMP 6.4.8 – Vegetated Swale	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Structural BMP 6.4.9 – Vegetated Filter Strip	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Structural BMP 6.6.1 – Constructed Wetland	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Structural BMP 6.7.1 – Riparian Buffer Restoration	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Structural BMP 6.7.2 – Landscape Restoration	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Structural BMP 6.7.3 – Soils Amendment/Restoration	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Worksheet 11 – BMPs for Pollution Prevention

Does the site design incorporate the following BMPs to address nitrate pollution? A summary "yes" rating is achieved if at least 2 Primary BMPs are provided across the site. "Provided across the site" is taken to mean that the specifications for that BMP set forward in Chapters 5 and 6 are satisfied.

	Yes	No
BMPs for Pollution Prevention:	<input type="checkbox"/>	<input type="checkbox"/>
NS BMP 5.4.1 – Protect Sensitive/Special Value Features	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NS BMP 5.4.2 – Protect/Conserve/Enhance Riparian Buffers	<input type="checkbox"/>	<input checked="" type="checkbox"/>
NS BMP 5.4.3 – Protect/Utilize Natural Flow Pathways in Overall Stormwater Planning and Design	<input type="checkbox"/>	<input checked="" type="checkbox"/>
NS BMP 5.5.1 – Cluster Uses at Each Site; Build on the Smallest Area Possible	<input type="checkbox"/>	<input checked="" type="checkbox"/>
NS BMP 5.6.1 – Minimize Total Disturbed Area - Grading	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NS BMP 5.6.2 – Minimize Soil Compaction in Disturbed Areas	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NS BMP 5.6.3 – Re-Vegetate/Re-Forest Disturbed Areas (Native Species)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NS BMP 5.7.1 – Reduce Street Imperviousness	<input type="checkbox"/>	<input checked="" type="checkbox"/>
NS BMP 5.7.2 – Reduce Parking Imperviousness	<input type="checkbox"/>	<input checked="" type="checkbox"/>
NS BMP 5.8.1 – Rooftop Disconnection	<input type="checkbox"/>	<input checked="" type="checkbox"/>
NS BMP 5.8.2 – Disconnection from Storm Sewers	<input type="checkbox"/>	<input checked="" type="checkbox"/>
NS BMP 5.9.15 – Street Sweeping	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Structural BMP 6.7.1 – Riparian Buffer Restoration	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Structural BMP 6.7.2 – Landscape Restoration	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Structural BMP 6.7.3 – Soils Amendment and Restoration	<input type="checkbox"/>	<input checked="" type="checkbox"/>

ATTACHMENT C

ACT, 14, 67, 68, AND 127 NOTIFICATION



July 18, 2013

Project No.: 073-6009-100

Mr. Todd Hittle
Hempfield Township Municipal Building
278 South Mercer Street
Greenville, PA 16125

**RE: LAND USE INQUIRY
NPDES STORMWATER DISCHARGE PERMIT APPLICATION
TRINITY SOUTH PLANT SITE CLEANUP ACTIVITIES
TRINITY INDUSTRIES, INC.**

Dear Mr. Hittle:

On behalf of Trinity Industries, Inc. (Trinity), Golder Associates Inc. (Golder) is preparing an application for a National Pollutant Discharge Elimination System (NPDES) Permit for Stormwater Discharges Associated with Construction Activities for the Site Cleanup at the former South Plant Site (South Plant or Site) located in Hempfield Township, Mercer County, Pennsylvania. The specific permit application information is listed below:

Name of Applicant: Trinity Industries, Inc.; C/O Golder Associates Inc.
Address of Applicant: 200 Century Parkway, Suite C; Mt. Laurel, NJ 08054
Project Location: 100 York Street, Greenville, PA 16125
Project Description: Site Cleanup Activities; South Plant Site; Trinity Industries, Inc.

As part of the submittal to the Pennsylvania Department of Environmental Protection (PADEP), and in accordance with PADEP's Land Use Policy, we must include a Municipal Land Use Letter with the permit application.

Acts 14, 67, 68, and 127, which amended the Municipalities Code, direct state agencies to consider comprehensive plans and zoning ordinances when reviewing applications for permitting of facilities and infrastructure, and specify that state agencies may rely upon comprehensive plans and zoning ordinances under certain conditions as described in Sections 619.2 and 1105 of the Municipalities Planning Code. The PADEP's Policy for Consideration of Local Comprehensive Plans and Zoning Ordinances in PADEP Review of Permits for Facilities and Infrastructure (PADEP's Land Use Policy) provides direction and guidance to PADEP staff, permit applicants, and local and county governments for the implementation of Acts 67, 68, and 127 of 2000. This policy can be found at www.depweb.state.pa.us; keyword: Land Use.

In accordance with PADEP's Land Use Policy, enclosed please find a sample Municipal Land Use Letter that is to be submitted with our permit application to PADEP for an NPDES Permit for Stormwater Discharges Associated with Construction Activities. Please either submit a letter including the information shown on the attached sample letter or simply fill-in the attached letter and return it within 30 days to Golder.

Please do not send this letter to PADEP, as we must include the Municipal Land Use Letter with our permit application. If we do not receive a response within 30 days, we will proceed to submit our permit application to PADEP without the Municipal Land Use Letter. If the Municipal Land Use letter is not included, and we provide proof of our attempt to obtain it, PADEP will assume there are not substantive land use conflicts and proceed with the normal application process.

g:\projects\2007 projects\073-6009-100 trinity.south plant\permitting\npdes\notification letters\municipal\letter to hempfield for land use.docx

Golder Associates Inc.
200 Century Parkway, Suite C
Mt. Laurel, NJ 08054 USA

Tel: (856) 793-2005 Fax: (856) 793-2006 www.golder.com

Golder Associates: Operations in Africa, Asia, Australasia, Europe, North America and South America

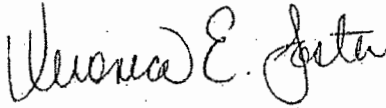
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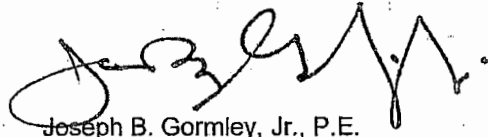
Golder appreciates your consideration and assistance in this matter. If you have any questions, please do not hesitate to contact us.

Sincerely,

GOLDER ASSOCIATES INC.



Veronica E. Foster, P.E.
Senior Consultant



Joseph B. Gormley, Jr., P.E.
Senior Consultant, Project Coordinator

cc: Terry Barrett, P.G., Trinity (Electronic Copy)
M. Haney, Golder

Enclosure:

Sample Municipal Land Use Letter
Figure 1-1 – Site Location Map
Drawing 4 – Extent of Proposed Excavation Areas

VEF/JBG

Municipal Land Use Letter

Date: _____

To: Joseph B. Gormley, Jr., PE
Golder Associates Inc.
200 Century Parkway, Suite C
Mt. Laurel, NJ 08054

From: Hempfield Township Municipal Building
278 South Mercer Street
Greenville, PA 16125

Re: LAND USE INQUIRY
NPDES STORMWATER DISCHARGE PERMIT APPLICATION
TRINITY SOUTH PLANT SITE CLEANUP ACTIVITIES
TRINITY INDUSTRIES, INC.

The Township of Hempfield states that it (☐ has) (☐ has not) adopted a municipal or multi-municipal comprehensive plan; if yes, provide date of adoption: _____.

The Township of Hempfield states that it: (☐ has) (☐ has not) adopted a county zoning ordinance, or a municipal or joint-municipal zoning ordinance.

If applicable:

The Township of Hempfield states that its zoning ordinance (☐ is) (☐ is not) generally consistent with its municipal comprehensive plan and the county comprehensive plan.

The above-referenced project (☐ meets) (☐ does not meet) the provisions of the local zoning ordinance.

If zoning approval is required for the project to proceed, the above-referenced project (☐ has) (☐ has not) received zoning approval.

If the above-referenced project has not received zoning approval, what is the status of the zoning request?

Municipal Land Use Letter

Is there a legal challenge by the applicant with regard to zoning for the above-referenced project?
____ yes ____ no.

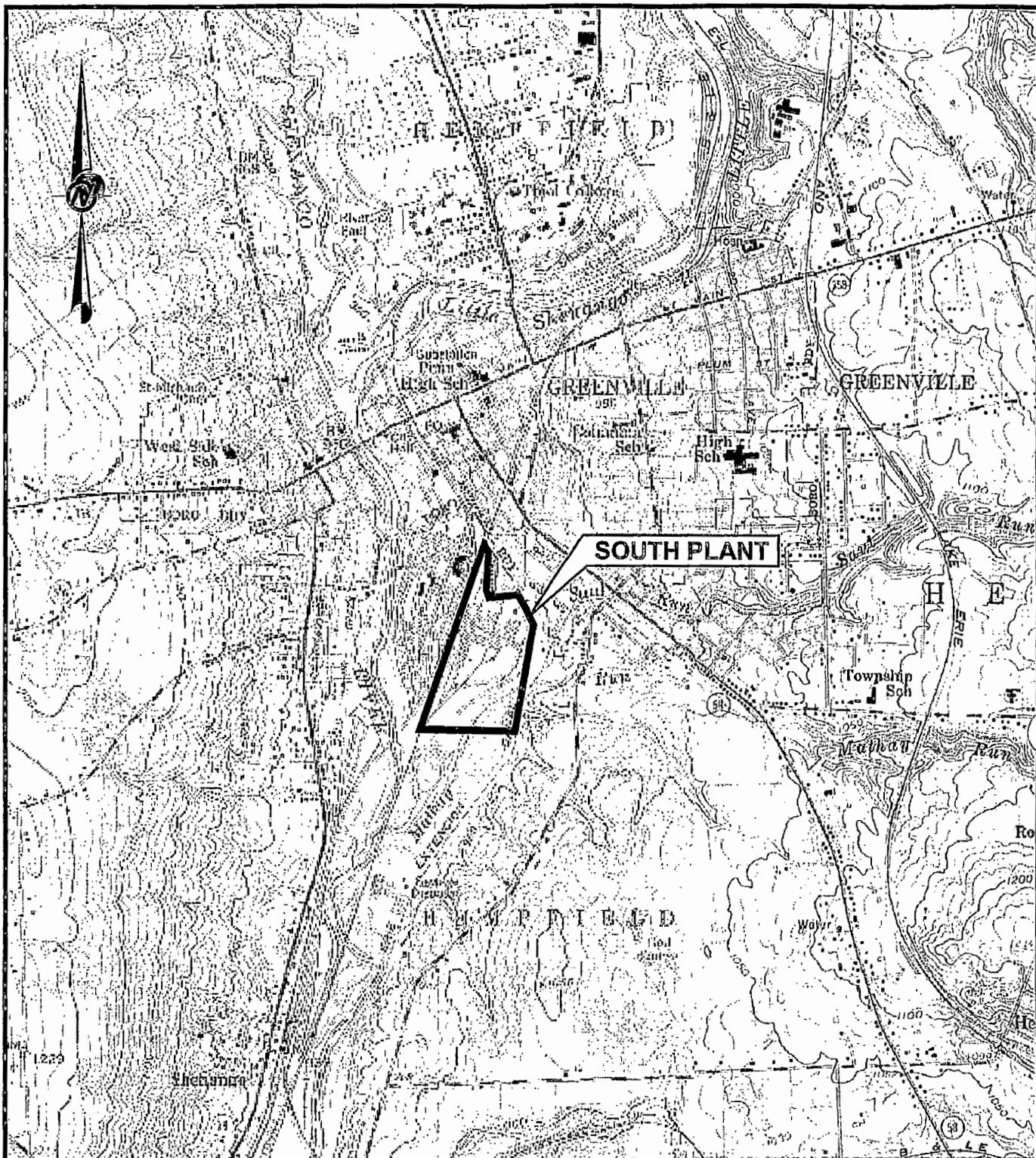
Name and contact information of Municipal Zoning Officer:

Additional comments (attach additional sheets if necessary):

Submitted by:

Name (printed)	
Title	
Address & Telephone	
Signature and Date	

Drawing file: 0736009K001.dwg Aug 19, 2009 - 12:37pm



2000 0 2000
SCALE FEET

REFERENCE


1.) BASE MAP TAKEN FROM USGS 7.5 MINUTE SERIES QUADRANGLES OF GREENVILLE WEST AND GREENVILLE EAST, DATED 1958, PHOTOREVISED IN 1990 AND 1970 RESPECTIVELY.

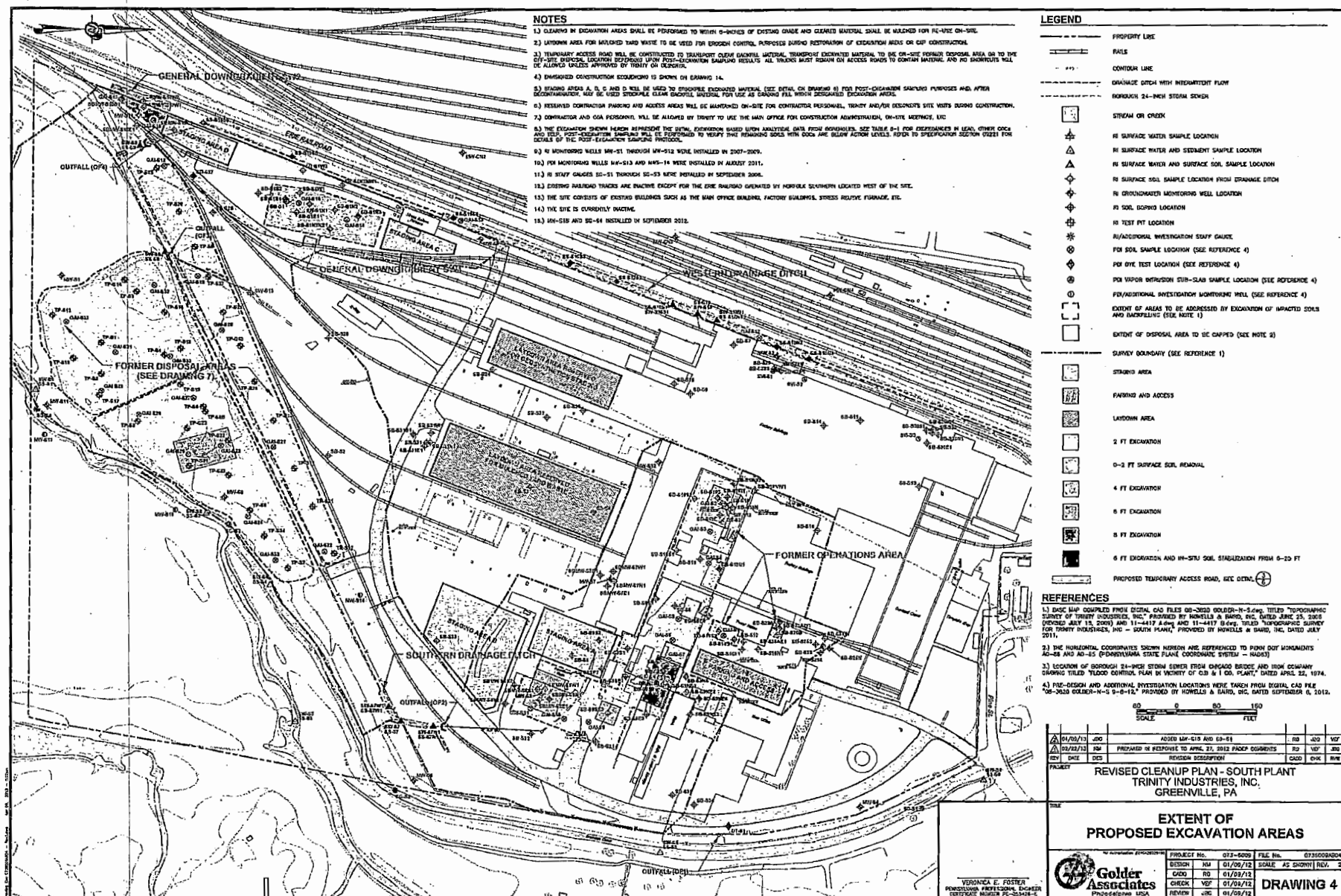
REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
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PROJECT
REMEDIAL INVESTIGATION REPORT - SOUTH PLANT
TRINITY INDUSTRIES, INC.
GREENVILLE, PA.

TITLE

SITE LOCATION MAP

 Golder Associates Philadelphia USA		PROJECT No.	073-6009	FILE No.	0736009K001
DESIGN	JPR	08/18/09	SCALE	AS SHOWN	REV. 0
CADD	RC	08/18/09	FIGURE 1-1		
CHECK	JPR	08/18/09			
REVIEW	JBG	08/18/09			





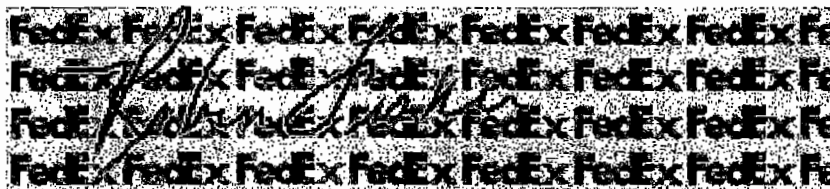
July 20, 2013

Dear Customer:

The following is the proof-of-delivery for tracking number **565230789600**.

Delivery Information:

Status:	Delivered	Delivered to:	Receptionist/Front Desk
Signed for by:	R.FISHER	Delivery location:	278 S MERCER ST GREENVILLE, PA 16125
Service type:	FedEx Priority Overnight	Delivery date:	Jul 19, 2013 09:51
Special Handling:	Deliver Weekday		



Shipping Information:

Tracking number:	565230789600	Ship date:	Jul 18, 2013
		Weight:	0.5 lbs/0.2 kg

Recipient:
TODD HITTLE
HEMPFIELD TOWNSHIP
ZONING ADMINISTRATOR
278 SOUTH MERCER STREET
GREENVILLE, PA 16125 US
Reference

Shipper:
Philadelphia Office
Golder Associates Inc
200 Century Parkway
Suite C
Mt Laurel, NJ 080541150 US
073-6009.100

Thank you for choosing FedEx.

Municipal Land Use Letter

Date: 7/19/13

To: Joseph B. Gormley, Jr., PE
Golder Associates Inc.
200 Century Parkway, Suite C
Mt. Laurel, NJ 08054

From: Hempfield Township Municipal Building
278 South Mercer Street
Greenville, PA 16125

Re: LAND USE INQUIRY
NPDES STORMWATER DISCHARGE PERMIT APPLICATION
TRINITY SOUTH PLANT SITE CLEANUP ACTIVITIES
TRINITY INDUSTRIES, INC.

The Township of Hempfield states that it (X has) (___ has not) adopted a municipal or multi-municipal comprehensive plan; if yes, provide date of adoption: August 2004.

The Township of Hempfield states that it: (X has) (___ has not) adopted a county zoning ordinance, or a municipal or joint-municipal zoning ordinance.

If applicable:

The Township of Hempfield states that its zoning ordinance (X is) (___ is not) generally consistent with its municipal comprehensive plan and the county comprehensive plan.

The above-referenced project (X meets) (___ does not meet) the provisions of the local zoning ordinance.

If zoning approval is required for the project to proceed, the above-referenced project (___ has) (___ has not) received zoning approval. Not Required

If the above-referenced project has not received zoning approval, what is the status of the zoning request?

Municipal Land Use Letter

Is there a legal challenge by the applicant with regard to zoning for the above-referenced project?
___ yes X no.

Name and contact information of Municipal Zoning Officer:

JOHN G. BOSE
HEMPFIELD TOWNSHIP
278 SOUTH MUNCION STREET
GRANVILLE, PA 16125

Additional comments (attach additional sheets if necessary):

Submitted by:

Name (printed)	<u>TOOD P. HITTLE</u>
Title	<u>SECRETARY / TREASURER</u>
Address & Telephone	<u>HEMPFIELD TOWNSHIP</u>
	<u>278 SOUTH MUNCION ST. GRANVILLE PA 16125</u>
Signature and Date	<u><i>Tood P. Hittle</i></u> <u>7/19/13</u>



July 18, 2013

Project No.: 073-6009-100

Mr. Daniel Gracenin
Mercer County Regional Planning Commission
2491 Highland Rd.
Hermitage, PA 16148

**RE: LAND USE INQUIRY
NPDES STORMWATER DISCHARGE PERMIT APPLICATION
TRINITY SOUTH PLANT SITE CLEANUP ACTIVITIES - TRINITY INDUSTRIES, INC.
HEMPFIELD TOWNSHIP, PA**

Dear Mr. Gracenin:

On behalf of Trinity Industries, Inc. (Trinity), Golder Associates Inc. (Golder) is preparing an application for a National Pollutant Discharge Elimination System (NPDES) Permit for Stormwater Discharges Associated with Construction Activities for the Site Cleanup of the former South Plant Site (South Plant or Site) located in Hempfield Township, Mercer County, Pennsylvania. The specific permit application information is listed below:

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Address of Applicant: 200 Century Parkway, Suite C; Mt. Laurel, NJ 08054
Project Location: 100 York Street, Greenville, PA 16125
Project Description: Site Cleanup Activities; South Plant Site; Trinity Industries, Inc.

As part of the submittal to the Pennsylvania Department of Environmental Protection (PADEP), and in accordance with PADEP's Land Use Policy, we must include a Municipal Land Use Letter with the permit application.

Acts 14, 67, 68, and 127, which amended the Municipalities Code, direct state agencies to consider comprehensive plans and zoning ordinances when reviewing applications for permitting of facilities and infrastructure, and specify that state agencies may rely upon comprehensive plans and zoning ordinances under certain conditions as described in Sections 619.2 and 1105 of the Municipalities Planning Code. The PADEP's Policy for Consideration of Local Comprehensive Plans and Zoning Ordinances in PADEP Review of Permits for Facilities and Infrastructure (PADEP's Land Use Policy) provides direction and guidance to PADEP staff, permit applicants, and local and county governments for the implementation of Acts 67, 68, and 127 of 2000. This policy can be found at www.depweb.state.pa.us; keyword: Land Use.

In accordance with PADEP's Land Use Policy, enclosed please find a sample County Land Use Letter that is to be submitted with our permit application to PADEP for an NPDES Permit for Stormwater Discharges Associated with Construction Activities. Please either submit a letter including the information shown on the attached sample letter or simply fill-in the attached letter and return it within 30 days to Golder.

Please do not send this letter to PADEP, as we must include the County Land Use Letter with our permit application. If we do not receive a response within 30 days, we will proceed to submit our permit application to PADEP without the County Land Use Letter. If the County Land Use letter is not included, and we provide proof of our attempt to obtain it, PADEP will assume there are not substantive land use conflicts and proceed with the normal application process.

g:\projects\2007_projects\073-6009-100_trinity_south_plant\permitting\npdes\notification_letters\county\letter_to_mercer_county_for_land_use.docx

Golder Associates Inc.
200 Century Parkway, Suite C
Mt. Laurel, NJ 08054 USA
Tel: (856) 793-2005 Fax: (856) 793-2006 www.golder.com

Golder Associates: Operations in Africa, Asia, Australasia, Europe, North America and South America

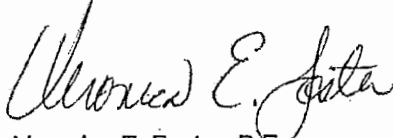
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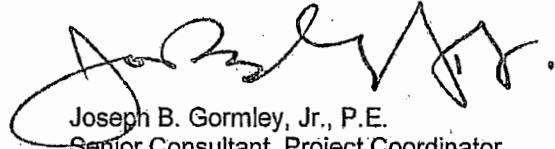
Golder appreciates your consideration and assistance in this matter. If you have any questions, please do not hesitate to contact us.

Sincerely,

GOLDER ASSOCIATES INC.



Veronica E. Foster, P.E.
Senior Consultant



Joseph B. Gormley, Jr., P.E.
Senior Consultant, Project Coordinator

cc: Mercer County Commissioners
Terry Barrett, P.G., Trinity (Electronic Copy)
M. Haney, Golder

Enclosure:

Sample County Land Use Letter
Figure 1-1 – Site Location Map
Drawing 4 – Extent of Proposed Excavation Areas

VEF/JBG

County Land Use Letter

Date: _____

To: Joseph B. Gormley, Jr., PE
Golder Associates Inc.
200 Century Parkway, Suite C
Mt. Laurel, NJ 08054

Re: LAND USE INQUIRY
NPDES STORMWATER DISCHARGE PERMIT APPLICATION
TRINITY SOUTH PLANT SITE CLEANUP ACTIVITIES
TRINITY INDUSTRIES, INC.

The Mercer County Planning Commission states that the County of Mercer (____ has) (____ has not) adopted a county or multi-county comprehensive plan; if yes, the date of adoption is: _____.

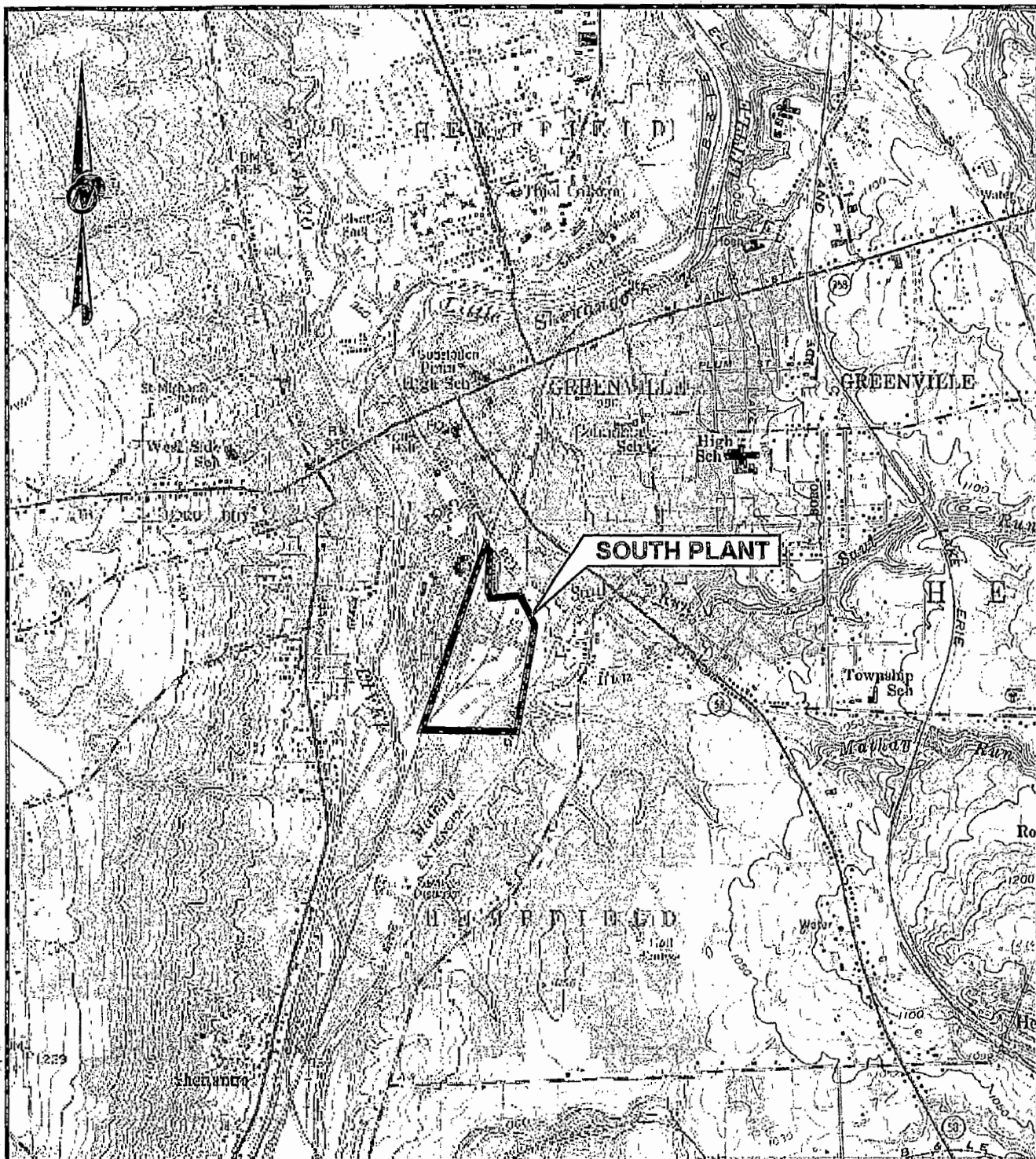
If applicable:

The above-referenced project (____ is) (____ is not) consistent with the adopted county or multi-county comprehensive plan.

Additional comments (attach additional sheets if necessary):

Submitted by:

Name (printed)	
Title	
Address & Telephone	
Signature and Date	



2000 0 2000
SCALE FEET

REFERENCE

1.) BASE MAP TAKEN FROM USGS 7.5 MINUTE SERIES QUADRANGLES OF GREENVILLE WEST AND GREENVILLE EAST, DATED 1958, PHOTOREVISED IN 1990 AND 1970 RESPECTIVELY.

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVV
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PROJECT
REMEDIAL INVESTIGATION REPORT - SOUTH PLANT
TRINITY INDUSTRIES, INC.
GREENVILLE, PA.

TITLE

SITE LOCATION MAP



Golder
Associates
Philadelphia, USA

PROJECT No.	073-6009	FILE No.	0736009K001
DESIGN	JPR 08/18/09	SCALE	AS SHOWN
CADD	RQ 08/18/09	REV.	0
CHECK	JPR 08/18/09		
REVIEW	JBG 08/18/09		

FIGURE 1-1



July 20, 2013

Dear Customer:

The following is the proof-of-delivery for tracking number **565230789621**.

Delivery Information:

Status:	Delivered	Delivered to:	Receptionist/Front Desk
Signed for by:	E.WIKE	Delivery location:	2491 HIGHLAND RD HERMITAGE, PA 16148
Service type:	FedEx Priority Overnight	Delivery date:	Jul 19, 2013 10:14
Special Handling:	Deliver Weekday		



Shipping Information:

Tracking number:	565230789621	Ship date:	Jul 18, 2013
		Weight:	0.5 lbs/0.2 kg

Recipient:
DANIEL GRACENIN
MERCER CO REGIONAL PLANNING COMM
2491 HIGHLAND ROAD
HERMITAGE, PA 16148 US

Reference

Shipper:
Philadelphia Office
Golder Associates Inc
200 Century Parkway
Suite C
Mt Laurel, NJ 080541150 US
073-6009.100

Thank you for choosing FedEx.

ATTACHMENT D

PNDI REVIEW RECEIPT AND AGENCY RESPONSE LETTERS

ATTACHMENT D-1
PNDI REVIEW RECEIPT

1. PROJECT INFORMATION

Project Name: **Trinity South Clean Up Plan Remedial Construction**

Date of review: **7/18/2012 11:29:05 AM**

Project Category: **Hazardous Waste Clean-up, Site Remediation, and Reclamation, Other**

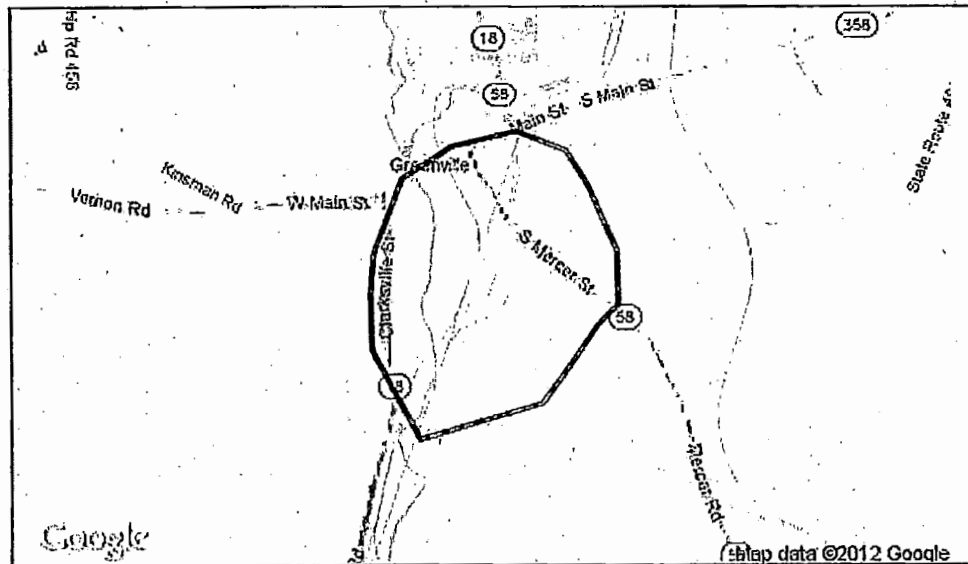
Project Area: **831.3 acres**

County: **Mercer Township/Municipality: Greenville, West Salem, Hempfield**

Quadrangle Name: **GREENVILLE WEST ~ ZIP Code: 16125**

Decimal Degrees: **41.395547 N, -80.384645 W**

Degrees Minutes Seconds: **41° 23' 44" N, -80° 23' 4.7" W**



2. SEARCH RESULTS

Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response
U.S. Fish and Wildlife Service	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response

As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate there may be potential impacts to threatened and endangered and/or special concern species and resources within the project area. If the response above indicates "No Further Review Required" no additional communication with the respective agency is required. If the response is "Further Review Required" or "See Agency Response," refer to the appropriate agency comments below. Please see the DEP Information Section of this receipt if a PA Department of Environmental Protection Permit is required.

3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are **valid for two years** (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt. The jurisdictional agencies **strongly advise against** conducting surveys for the species listed on the receipt prior to consultation with the agencies.

PA Game Commission

RESPONSE: No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Department of Conservation and Natural Resources

RESPONSE: No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Fish and Boat Commission

RESPONSE: Further review of this project is necessary to resolve the potential impacts(s). Please send project information to this agency for review (see WHAT TO SEND).

PFBC Species: (Note: The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer species than what is listed below.)

Scientific Name: *Alasmodontia marginata*

Common Name: Elktoe

Current Status: Special Concern Species*

Proposed Status: Special Concern Species*

Scientific Name: *Amblema plicata*

Common Name: Three-ridge

Current Status: Special Concern Species*

Proposed Status: Threatened

Scientific Name: *Fusconaia subrotunda*

Common Name: Long-solid

Current Status: Special Concern Species*

Proposed Status: Endangered

Scientific Name: *Lampsilis fasciola*

Common Name: Wavy-rayed Lampmussel
Current Status: Special Concern Species*
Proposed Status: Special Concern Species*

Scientific Name: Lasmgona compressa
Common Name: Creek Heelsplitter
Current Status: Special Concern Species*
Proposed Status: Special Concern Species*

Scientific Name: Obovaria subrotunda
Common Name: Round Hickorynut
Current Status: Special Concern Species*
Proposed Status: Endangered

Scientific Name: Pleurobema sintoxia
Common Name: Round Pigtoe
Current Status: Special Concern Species*
Proposed Status: Endangered

Scientific Name: Sensitive Species**
Common Name:
Current Status: Special Concern Species*
Proposed Status: Endangered

Scientific Name: Sensitive Species**
Common Name:
Current Status: Special Concern Species*
Proposed Status: Endangered

Scientific Name: Sensitive Species**
Common Name:
Current Status: Special Concern Species*
Proposed Status: Endangered

U.S. Fish and Wildlife Service

RESPONSE: Further review of this project is necessary to resolve the potential impacts(s). Please send project information to this agency for review (see WHAT TO SEND).

* Special Concern Species or Resource - Plant or animal species classified as rare, tentatively undetermined or candidate as well as other taxa of conservation concern, significant natural communities, special concern populations (plants or animals) and unique geologic features.

** Sensitive Species - Species identified by the jurisdictional agency as collectible, having economic value, or

being susceptible to decline as a result of visitation.

WHAT TO SEND TO JURISDICTIONAL AGENCIES

If project information was requested by one or more of the agencies above, send the following information to the agency(s) seeking this information (see AGENCY CONTACT INFORMATION).

Check-list of Minimum Materials to be submitted:

- ☐ **SIGNED** copy of this Project Environmental Review Receipt
- ☐ Project narrative with a description of the overall project, the work to be performed, current physical characteristics of the site and acreage to be impacted.
- ☐ Project location information (name of USGS Quadrangle, Township/Municipality, and County)
- ☐ USGS 7.5-minute Quadrangle with project boundary clearly indicated, and quad name on the map

The inclusion of the following information may expedite the review process.

- ☐ A basic site plan (particularly showing the relationship of the project to the physical features such as wetlands, streams, ponds, rock outcrops, etc.)
- ☐ Color photos keyed to the basic site plan (i.e. showing on the site plan where and in what direction each photo was taken and the date of the photos)
- ☐ Information about the presence and location of wetlands in the project area, and how this was determined (e.g., by a qualified wetlands biologist), if wetlands are present in the project area, provide project plans showing the location of all project features, as well as wetlands and streams

4. DEP INFORMATION

The Pa Department of Environmental Protection (DEP) requires that a signed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted with applications for permits requiring PNDI review. For cases where a "Potential Impact" to threatened and endangered species has been identified before the application has been submitted to DEP, the application should not be submitted until the impact has been resolved. For cases where "Potential Impact" to special concern species and resources has been identified before the application has been submitted, the application should be submitted to DEP along with the PNDI receipt. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. DEP and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at <http://www.naturalheritage.state.pa.us>.

5. ADDITIONAL INFORMATION

The PNDI environmental review website is a **preliminary** screening tool. There are often delays in updating species status classifications. Because the proposed status represents the best available information regarding the conservation status of the species, state jurisdictional agency staff give the proposed statuses at least the same consideration as the current legal status. If surveys or further information reveal that a threatened and endangered and/or special concern species and resources exist in your project area, contact the appropriate jurisdictional agency/agencies immediately to identify and resolve any impacts.

For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page (www.naturalheritage.state.pa.us). Also note that the PNDI Environmental Review Tool only contains information about species occurrences that have actually been reported to the PNHP.

6. AGENCY CONTACT INFORMATION

PA Department of Conservation and Natural Resources

Bureau of Forestry, Ecological Services Section
400 Market Street, PO Box 8552, Harrisburg, PA.
17105-8552
Fax: (717) 772-0271

U.S. Fish and Wildlife Service

Endangered Species Section
315 South Allen Street, Suite 322, State College, PA.
16801-4851
NO Faxes Please.

PA Fish and Boat Commission

Division of Environmental Services
450 Robinson Lane, Bellefonte, PA. 16823-7437
NO Faxes Please

PA Game Commission

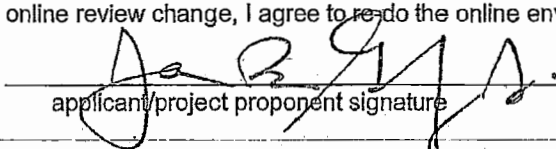
Bureau of Wildlife Habitat Management
Division of Environmental Planning and Habitat Protection
2001 Elmerton Avenue, Harrisburg, PA. 17110-9797
Fax: (717) 787-6957

7. PROJECT CONTACT INFORMATION

Name: JOSEPH GORMLEY
Company/Business Name: GOLDER ASSOCIATES, INC.
Address: 200 CENTURY PARKWAY, SUITE C
City, State, Zip: MT. LAUREL, NJ 08054
Phone: (856) 793-2005 Fax: (856) 793-2006
Email: jgormley@golder.com

8. CERTIFICATION

I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change, I agree to redo the online environmental review.


applicant/project proponent signature

8/21/2012
date

ATTACHMENT D-2
CORRESPONDENCE WITH
PA FISH AND BOAT COMMISSION



August 21, 2012

Project No. 073-6009-100

Pennsylvania Fish and Boat Commission
Division of Environmental Services
450 Robinson Lane
Belleville, PA, 16823-7437

**RE: PNDI PROJECT PLANNING AND ENVIRONMENTAL REVIEW
TRINITY INDUSTRIES, INC. - SOUTH PLANT
GREENVILLE, MERCER COUNTY, PENNSYLVANIA**

Dear Sir/Madam:

On behalf of Trinity Industries, Inc. (Trinity), Golder Associates Inc. (Golder) is currently applying for permits in support of site cleanup activities at the Trinity South Plant (South Plant), located at 100 York Street in Greenville, Pennsylvania. The site cleanup is being performed pursuant to a Consent Order and Agreement (COA) executed by the Commonwealth of Pennsylvania on December 21, 2006. As part of the permitting process for the cleanup activities, Golder has performed an on-line Pennsylvania Natural Diversity Inventory (PNDI) Project Environmental Review. A prior PNDI Project Environmental Review was sent to the Pennsylvania Fish and Boat Commission and the Pennsylvania Department of Environmental Protection (PADEP) in August 2009 in support of Remedial Investigation (RI) activities at the South Plant. However per PNDI guidelines, searches are only valid two years from the date of the receipt. As such, Golder has performed an updated PNDI Project Environmental Review for the areas within a 2,500-foot radius of the South Plant boundary (per 25 PA. §250.311 and the Technical Guidance Manual). The PNDI Project Environmental Review Receipt for this revised search (see Enclosure 1) indicated potential impacts under your agency's jurisdiction. Therefore, we are seeking your assistance to identify potential environmental impacts that may affect cleanup activities at the South Plant and surrounding areas within a 2,500-foot radius of the South Plant boundary.

The South Plant is an industrial facility that encompasses approximately 53 acres in Hempfield Township, Mercer County, Pennsylvania. Currently, there are no manufacturing activities at the South Plant; however, the facility is occupied and sections of the site are used for storage. The South Plant property contains approximately 15 buildings along with four exterior cranes and two transfer tables. These structures occupy about 1/3 of the property. The remaining areas of the South Plant consist of concrete and asphalt pavement, former building slabs, railroad track/sidings, grassy open areas, and wooded areas. The South Plant is serviced by railroad tracks from the south and an active railroad line is located along the western property boundary.

While the South Plant is zoned industrial, it is located in a mixed use area consisting of residential properties to the north and east, industrial properties to the north and west, and wooded property to the south. An extension of the Erie Canal is located along the eastern boundary of the property and a stream, Mathay Run, crosses the southern portion of the property from east to the southwest. South of Mathay Run there is an area of mixed deciduous trees and shrubs. Directly to the west of the South Plant is another industrial property, the Bessemer and Lake Erie Railroad Shops and Yards, and the Shenango River is located just beyond these railroad yards.

g:\projects\2007 projects\073-6009-100 trinity south plant\permitting\pndi\pndi review letter pafbc.docx

Golder Associates Inc.
200 Century Parkway, Suite C
Mt. Laurel, NJ 08054 USA

Tel: (856) 793-2005 Fax: (856) 793-2006 www.golder.com

Golder Associates: Operations in Africa, Asia, Australasia, Europe, North America and South America

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It would be helpful for Trinity to understand the Pennsylvania Fish and Boat Commission's opinion on the potential environmental impacts associated with the South Plant property as the final cleanup activities for this project are currently being developed.

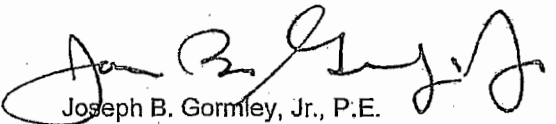
As such, enclosed please find the PNDI review receipt (Enclosure 1) as well as general project information including a United States Geological Survey 7.5 minute quadrangle with the project boundary and 2,500-foot radius identified, a site plan showing the existing site layout, and several site photographs (Enclosure 2) for your review.

Please do not hesitate to contact the undersigned if any questions arise during your review.

Regards,

GOLDER ASSOCIATES INC.


For - Veronica E. Foster, P.E.
Senior Consultant


Joseph B. Gormley, Jr., P.E.
Project Coordinator

cc: Terry Barrett, P.G.

Enclosures:

Enclosure 1 - PNDI Project Environmental Review Receipt
Enclosure 2 - Site Location, Layout, and Photographs

VEF/JBG

ENCLOSURE 1
Signed PNDI Project Environmental Review Receipt

1. PROJECT INFORMATION

Project Name: Trinity South Clean Up Plan Remedial Construction

Date of review: 7/18/2012 11:29:05 AM

Project Category: Hazardous Waste Clean-up, Site Remediation, and Reclamation, Other

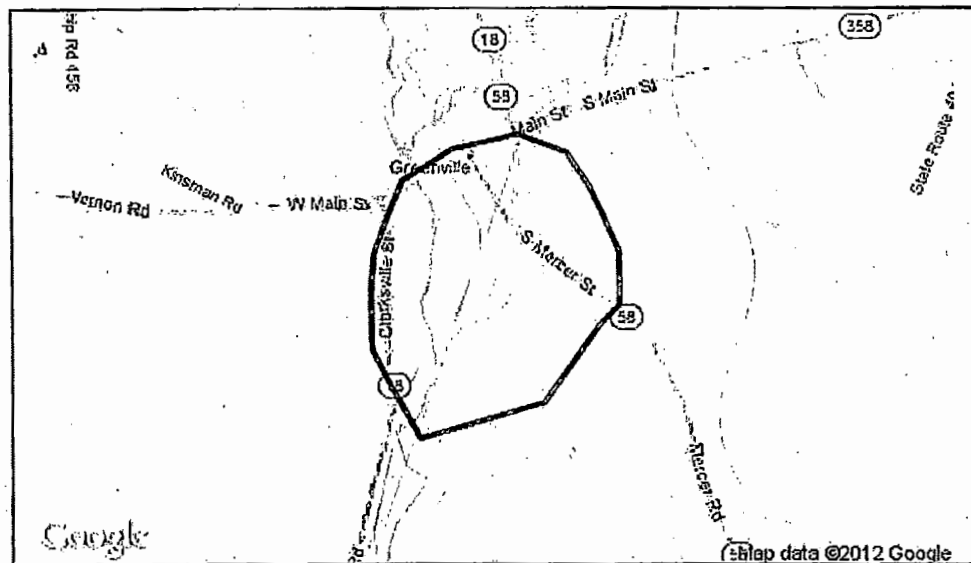
Project Area: 831.3 acres

County: Mercer Township/Municipality: Greenville, West Salem, Hempfield

Quadrangle Name: GREENVILLE WEST ~ ZIP Code: 16125

Decimal Degrees: 41.395547 N, -80.384645 W

Degrees Minutes Seconds: 41° 23' 44" N, -80° 23' 4.7" W



2. SEARCH RESULTS

Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response
U.S. Fish and Wildlife Service	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response

As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate there may be potential impacts to threatened and endangered and/or special concern species and resources within the project area. If the response above indicates "No Further Review Required" no additional communication with the respective agency is required. If the response is "Further Review Required" or "See Agency Response," refer to the appropriate agency comments below. Please see the DEP Information Section of this receipt if a PA Department of Environmental Protection Permit is required.

3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are **valid for two years** (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt. The jurisdictional agencies **strongly advise against** conducting surveys for the species listed on the receipt prior to consultation with the agencies.

PA Game Commission

RESPONSE: No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Department of Conservation and Natural Resources

RESPONSE: No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Fish and Boat Commission

RESPONSE: Further review of this project is necessary to resolve the potential impacts(s). Please send project information to this agency for review (see WHAT TO SEND).

PFBC Species: (Note: The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer species than what is listed below.)

Scientific Name: *Alasmidonta marginata*

Common Name: Elktoe

Current Status: Special Concern Species*

Proposed Status: Special Concern Species*

Scientific Name: *Amblema plicata*

Common Name: Three-ridge

Current Status: Special Concern Species*

Proposed Status: Threatened

Scientific Name: *Fusconaia subrotunda*

Common Name: Long-solid

Current Status: Special Concern Species*

Proposed Status: Endangered

Scientific Name: *Lampsilis fasciola*

Common Name: Wavy-rayed Lampmussel
Current Status: Special Concern Species*
Proposed Status: Special Concern Species*

Scientific Name: Lasmgona compressa
Common Name: Creek Heelsplitter
Current Status: Special Concern Species*
Proposed Status: Special Concern Species*

Scientific Name: Obovaria subrotunda
Common Name: Round Hickorynut
Current Status: Special Concern Species*
Proposed Status: Endangered

Scientific Name: Pleurobema sintoxia
Common Name: Round Pigtoe
Current Status: Special Concern Species*
Proposed Status: Endangered

Scientific Name: Sensitive Species**
Common Name:
Current Status: Special Concern Species*
Proposed Status: Endangered

Scientific Name: Sensitive Species**
Common Name:
Current Status: Special Concern Species*
Proposed Status: Endangered

Scientific Name: Sensitive Species**
Common Name:
Current Status: Special Concern Species*
Proposed Status: Endangered

U.S. Fish and Wildlife Service

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17105-8552
Fax: (717) 772-0271

U.S. Fish and Wildlife Service

Endangered Species Section
315 South Allen Street, Suite 322, State College, PA.
16801-4851
NO Faxes Please.

PA Fish and Boat Commission

Division of Environmental Services
450 Robinson Lane, Bellefonte, PA. 16823-7437
NO Faxes Please

PA Game Commission

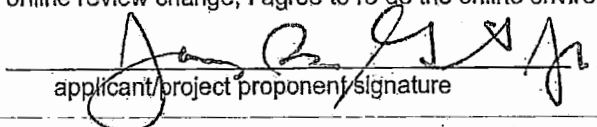
Bureau of Wildlife Habitat Management
Division of Environmental Planning and Habitat Protection
2001 Elmerston Avenue, Harrisburg, PA. 17110-9797
Fax: (717) 787-6957

7. PROJECT CONTACT INFORMATION

Name: JOSEPH GORMLEY
Company/Business Name: GOLDER ASSOCIATES INC.
Address: 200 CENTURY PARKWAY, SUITE C
City, State, Zip: MT. LAUREL, NJ 08054
Phone: (856) 793-2005 Fax: (856) 793-2006
Email: jgormley@golder.com

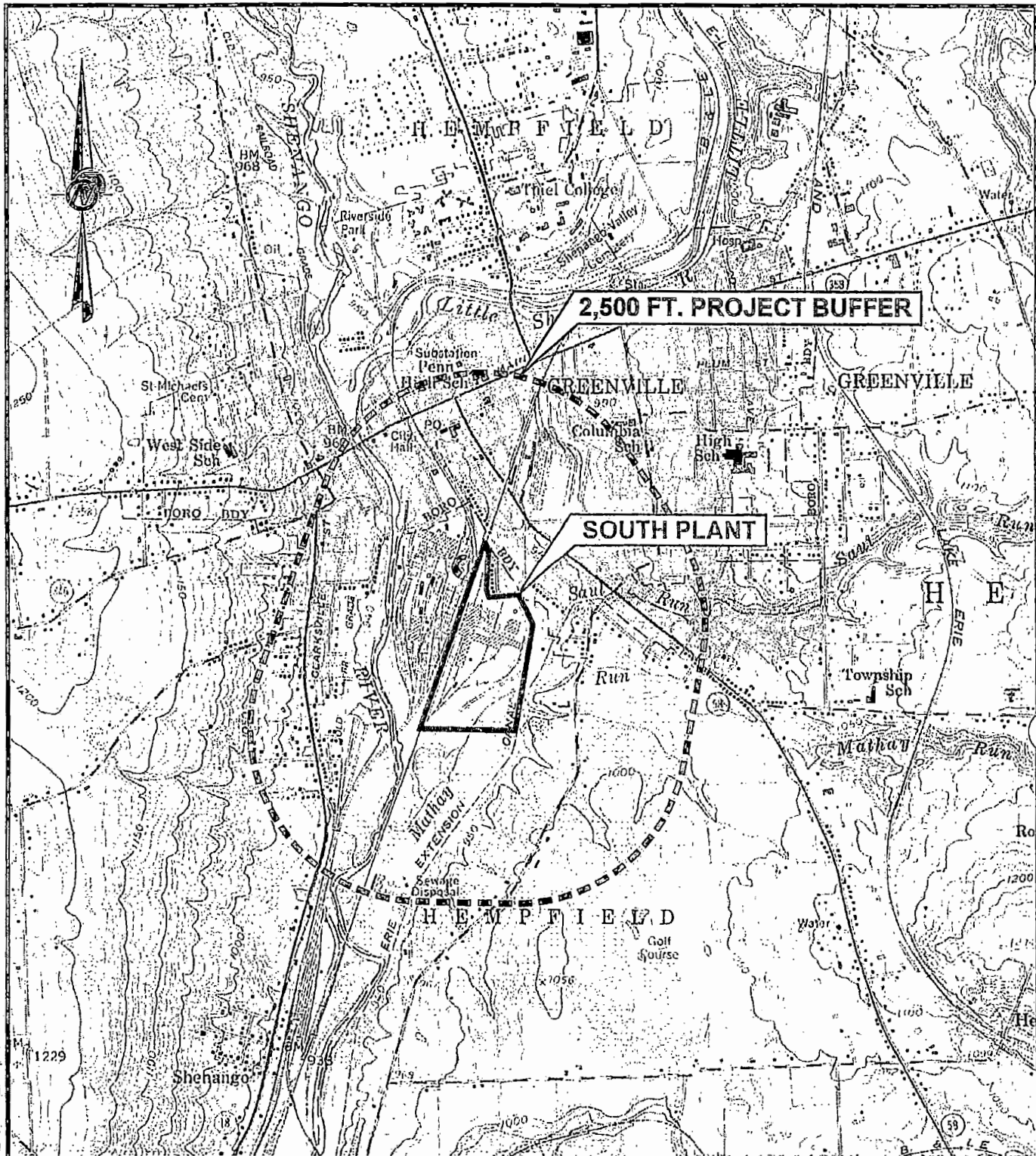
8. CERTIFICATION

I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change, I agree to re-do the online environmental review.


applicant/project proponent/signature

8/21/2012
date

ENCLOSURE 2
Site Location, Layout, and Photographs



2000 0 2000
SCALE FEET

REFERENCE

1.) BASE MAP TAKEN FROM USGS 7.5 MINUTE SERIES QUADRANGLES OF GREENVILLE WEST AND GREENVILLE EAST, DATED 1958, PHOTOREVISED IN 1990 AND 1970 RESPECTIVELY.

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RWV
PROJECT						
TRINITY INDUSTRIES, INC.						
SOUTH PLANT						
GREENVILLE BORO & HEMPFIELD TWP., MERCER CO., PA.						
TITLE						

SITE LOCATION MAP



Golder Associates
Mt. Laurel, New Jersey

PROJECT No.	073-6009	FILE No.	0736009AH01
DESIGN	JAB	08/21/12	SCALE AS SHOWN
CADD	RG	08/21/12	REV. 0
CHECK	VEF	08/21/12	
REVIEW	JBG	08/21/12	

FIGURE 1

Aug 21, 2012 - 2:25pm

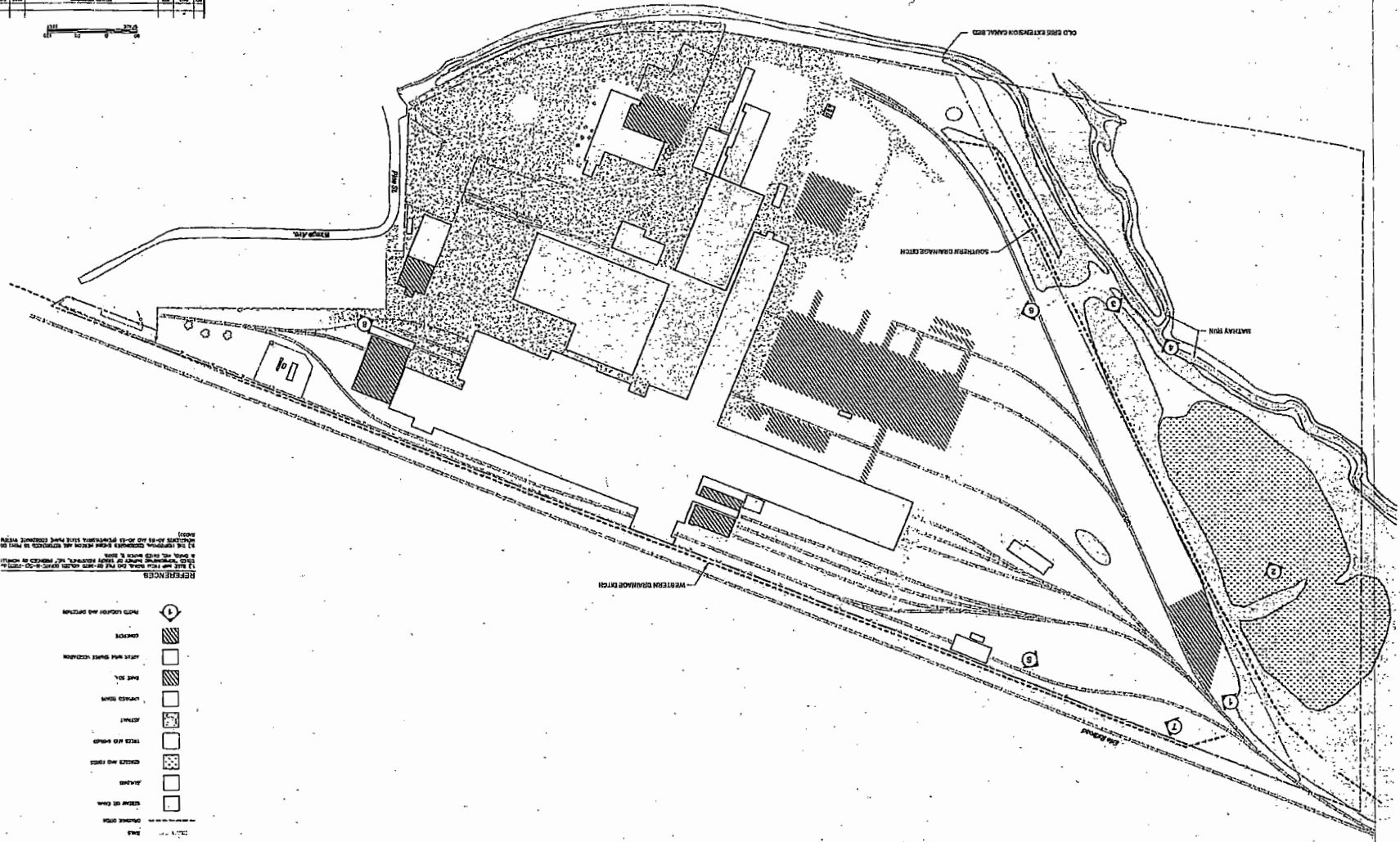
Drawing file: 0736009AH01.dwg

Golden Associates, Inc.
 1000 N. 10th St., Suite 200
 Phoenix, AZ 85006
 (602) 254-1000
 FAX (602) 254-1001
 E-MAIL: info@goldenassoc.com

FIGURE 2
 EXISTING SITE LAYOUT
 TRINITY INDUSTRIES, INC.
 SOUTH PLANT
 GREENVILLE, PA

0 10 20 30 40 50 60 70 80 90 100
 FEET

0 10 20 30 40 50 60 70 80 90 100
 METERS



LEGEND

	NORTH ARROW
	BUILDING FOOTPRINT
	PARKING LOT
	ROAD
	CREEK
	CANAL
	BRIDGE
	FENCE
	UTILITY LINE
	WATER BODY
	WETLAND
	FOREST
	MEADOW
	FIELD
	PASTURE
	UNIMPROVED LAND

NOTES:

1. THE LEGEND SYMBOLS ARE NOT TO BE USED TO REPRESENT ANYTHING OTHER THAN WHAT IS SHOWN ON THE MAP.
2. THE LEGEND SYMBOLS ARE NOT TO BE USED TO REPRESENT ANYTHING OTHER THAN WHAT IS SHOWN ON THE MAP.
3. THE LEGEND SYMBOLS ARE NOT TO BE USED TO REPRESENT ANYTHING OTHER THAN WHAT IS SHOWN ON THE MAP.
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9. THE LEGEND SYMBOLS ARE NOT TO BE USED TO REPRESENT ANYTHING OTHER THAN WHAT IS SHOWN ON THE MAP.
10. THE LEGEND SYMBOLS ARE NOT TO BE USED TO REPRESENT ANYTHING OTHER THAN WHAT IS SHOWN ON THE MAP.

Site: Trinity Industries, South Plant

Project: Baseline Ecological Evaluation

Photo 01

Date:
5/19/2009

Description:
Looking
northeast from
center of site at
inactive
buildings and
overall lack of
groundcover.



Photo 02

Date:
5/19/2009

Description:
Looking
northeast from
open field in
southern
portion of site
supporting
invasive,
disturbance
related grasses
and forbs.



Site: Trinity Industries, South Plant

Project: Baseline Ecological Evaluation

Photo 03

Date: 5/19/2009

Description:

Looking southwest at patch of deciduous trees and shrubs in southeastern portion of site.



Photo 04

Date: 5/19/2009

Description:

Looking northeast at upstream section of Mathay Run.



Site: Trinity Industries, South Plant

Project: Baseline Ecological Evaluation

Photo 05

Date: 5/19/2009

Description:

Looking southwest at sparse groundcover on each side of inactive railroad track. Active railroad track outside western fence to right.

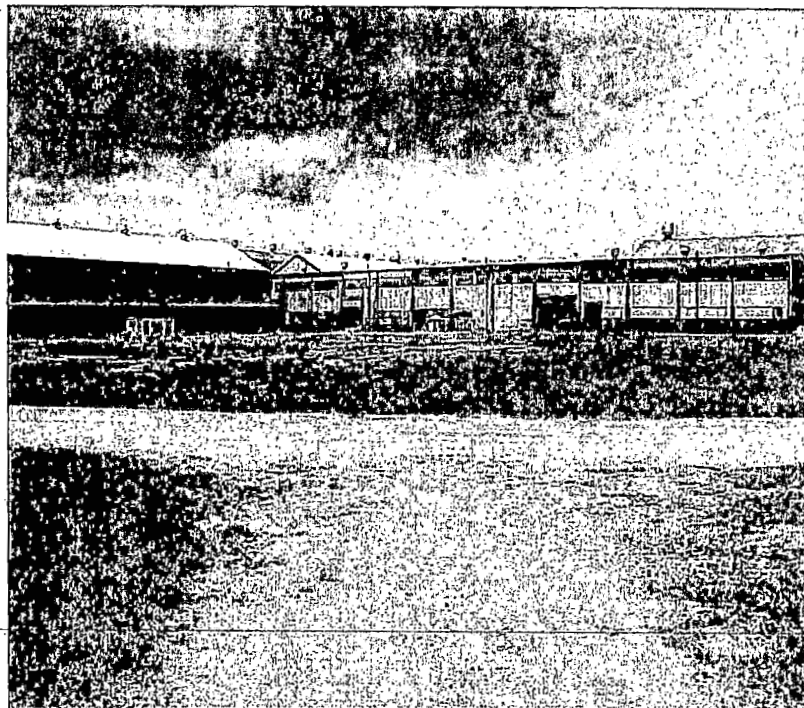


Photo 06

Date: 5/19/2009

Description:

Looking northwest at sparse groundcover and inactive buildings in center of site.



Site: Trinity Industries, South Plant

Project: Baseline Ecological Evaluation

Photo 07

Date: 5/19/2009

Description:
Looking northeast at
drainage ditch
outside of western
fence along active
railroad line.

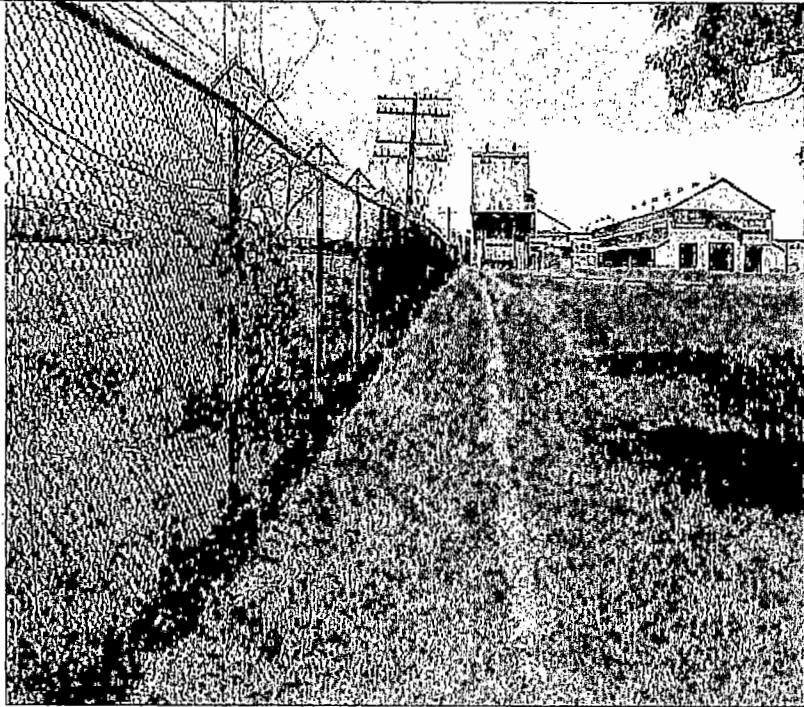


Photo 08

Date: 5/19/2009

Description:
Looking southeast at
asphalt pavement,
concrete, and
compacted soils
between buildings in
northern portion of
site.





established 1866

Pennsylvania Fish & Boat Commission

FAX to: 856-793-2006

Division of Environmental Services
 Natural Diversity Section
 450 Robinson Lane
 Bellefonte, PA 16823-9620
 (814) 359-5237 Fax: (814) 359-5175
 September 24, 2012

IN REPLY REFER TO
 SIR # 39413

VERONICA FOSTER
 GOLDER ASSOCIATES
 200 CENTURY PARKWAY, SUITE C
 MT LAUREL, NJ 08054

RE: Species Impact Review (SIR) - Rare, Candidate, Threatened and Endangered Species
 TRINITY SOUTH CLEAN UP PLAN REMEDIAL CONSTRUCTION
 PNDI Search Number (if available): 20120718364256
 GREENVILLE WEST SALEM HEMPFIELD Township/Borough, MERCER County, Pennsylvania

This responds to your inquiry about a Pennsylvania Natural Diversity Inventory (PNDI) Internet Database search "potential conflict" or a threatened and endangered species impact review. These projects are screened for potential conflicts with rare, candidate, threatened or endangered species under Pennsylvania Fish & Boat Commission jurisdiction (fish, reptiles, amphibians, aquatic-invertebrates only) using the Pennsylvania Natural Diversity Inventory (PNDI) database and our own files. These species of special concern are listed under the Endangered Species Act of 1973, the Wild Resource Conservation Act, and the Pennsylvania Fish & Boat Code (Chapter 75), or the Wildlife Code.

X **NO ADVERSE IMPACTS EXPECTED FROM THE PROPOSED PROJECT**

Except for occasional transient species, rare, candidate, threatened or endangered species under our jurisdiction are not known to exist in the vicinity of the project area. Therefore, no biological assessment or further consultation regarding rare species is needed with the Commission. Should project plans change, or if additional information on listed or proposed species becomes available, this determination may be reconsidered.

X An element occurrence of a rare, candidate, threatened, or endangered species under our jurisdiction is known from the vicinity of the proposed project. However, given the nature of the proposed project, the immediate location, or the current status of the nearby element occurrence(s), no adverse impacts are expected to the species of special concern.

This response represents the most up-to-date summary of the PNDI data and our files and is valid for two (2) years from the date of this letter. An absence of recorded species information does not necessarily imply species absence. Our data files and the PNDI system are continuously being updated with species occurrence information. Should project plans change or additional information on listed or proposed species become available, this determination may be reconsidered, and consultation shall be re-initiated.

If you have any questions regarding this review, please contact the biologist indicated below:

<u> </u> Chris Urban	814-359-5113	<u> </u> Kathy Gipe	814-359-5186
<u>X</u> Nevin Welte	412-586-2334	<u> </u> Bob Morgan	814-359-5129

Thank you in advance for your cooperation and attention to this important matter of species conservation and habitat protection.

SIGNATURE:

DATE: September 24, 2012

Christopher A. Urban
 Chief, Natural Diversity Section

Our Mission:

www.fishandboat.com

To protect, conserve and enhance the Commonwealth's aquatic resources and provide fishing and boating opportunities.

ATTACHMENT D-3
CORRESPONDENCE WITH
US FISH AND WILDLIFE SERVICE



August 21, 2012

Project No. 073-6009-100

U.S. Fish and Wildlife Service
Endangered Species Section
315 South Allen Street, Suite 322
State College, PA 16801-4851

**RE: PNDI PROJECT PLANNING AND ENVIRONMENTAL REVIEW
TRINITY INDUSTRIES, INC. - SOUTH PLANT
GREENVILLE, MERCER COUNTY, PENNSYLVANIA**

Dear Sir/Madam:

On behalf of Trinity Industries, Inc. (Trinity), Golder Associates Inc. (Golder) is currently applying for permits in support of cleanup activities at the Trinity South Plant (South Plant), located at 100 York Street in Greenville, Pennsylvania. The site cleanup is being performed pursuant to a Consent Order and Agreement (COA) executed by the Commonwealth of Pennsylvania on December 21, 2006. As part of the permitting process for the cleanup activities, Golder has performed an on-line Pennsylvania Natural Diversity Inventory (PNDI) Project Environmental Review. A prior PNDI Project Environmental Review was sent to the U.S. Fish and Wildlife Service and the Pennsylvania Department of Environmental Protection (PADEP) in August 2009 in support of Remedial Investigation (RI) activities at the South Plant. However per PNDI guidelines, searches are only valid two years from the date of the receipt. As such, Golder has performed an updated PNDI Project Environmental Review for the areas within a 2,500-foot radius of the South Plant boundary (per 25 PA. §250.311 and the Technical Guidance Manual). The PNDI Project Environmental Review Receipt for this revised search (see Enclosure 1) indicated potential impacts under your agency's jurisdiction. Therefore, we are seeking your assistance to identify potential environmental impacts that may affect cleanup activities at the South Plant and surrounding areas within a 2,500-foot radius of the South Plant boundary.

The South Plant is an industrial facility that encompasses approximately 53 acres in Hempfield Township, Mercer County, Pennsylvania. Currently, there are no manufacturing activities at the South Plant; however, the facility is occupied and sections of the site are used for storage. The South Plant property contains approximately 15 buildings along with four exterior cranes and two transfer tables. These structures occupy about 1/3 of the property. The remaining areas of the South Plant consist of concrete and asphalt pavement, former building slabs, railroad track/sidings, grassy open areas, and wooded areas. The South Plant is serviced by railroad tracks from the south and an active railroad line is located along the western property boundary.

While the South Plant is zoned industrial, it is located in a mixed use area consisting of residential properties to the north and east, industrial properties to the north and west, and wooded property to the south. An extension of the Erie Canal is located along the eastern boundary of the property and a stream, Mathay Run, crosses the southern portion of the property from east to the southwest. South of Mathay Run there is an area of mixed deciduous trees and shrubs. Directly to the west of the South Plant is another industrial property, the Bessemer and Lake Erie Railroad Shops and Yards, and the Shenango River is located just beyond these railroad yards.

g:\projects\2007\projects\073-6009-100 trinity south plant\permitting\pndi\pndi review letter usfws.docx

Golder Associates Inc.
200 Century Parkway, Suite C
Mt. Laurel, NJ 08054 USA

Tel: (856) 793-2005 Fax: (856) 793-2006 www.golder.com

Golder Associates: Operations in Africa, Asia, Australasia, Europe, North America and South America

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It would be helpful for Trinity to understand the U.S. Fish and Wildlife Service's opinion on the potential environmental impacts associated with the South Plant property as the final cleanup activities for this project are currently being developed.


As such, enclosed please find the PNDI review receipt (Enclosure 1) as well as general project information including a United States Geological Survey 7.5 minute quadrangle with the project boundary and 2,500-foot radius identified, a site plan showing the existing site layout, and several site photographs (Enclosure 2), for your review.

Please do not hesitate to contact the undersigned if any questions arise during your review.

Regards,

GOLDER ASSOCIATES INC.


For Veronica E. Foster, P.E.
Senior Consultant


Joseph B. Gormley, Jr., P.E.
Project Coordinator

cc: Terry Barrett, P.G.

Enclosures:

Enclosure 1 - PNDI Project Environmental Review Receipt
Enclosure 2 - Site Location, Layout, and Photographs

VEF/JBG

ENCLOSURE 1
Signed PNDI Project Environmental Review Receipt

1. PROJECT INFORMATION

Project Name: **Trinity South Clean Up Plan Remedial Construction**

Date of review: **7/18/2012 11:29:05 AM**

Project Category: **Hazardous Waste Clean-up, Site Remediation, and Reclamation, Other**

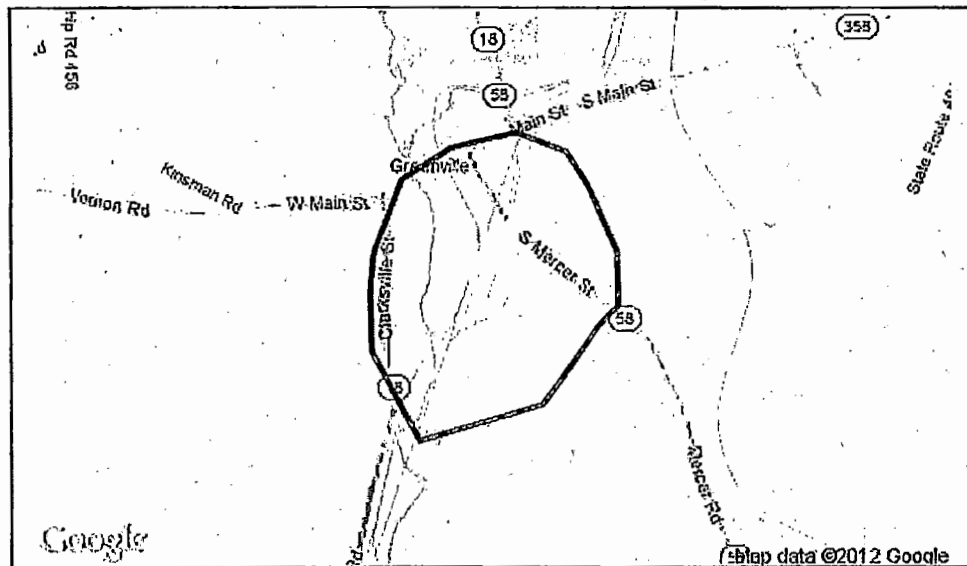
Project Area: **831.3 acres**

County: **Mercer Township/Municipality: Greenville, West Salem, Hempfield**

Quadrangle Name: **GREENVILLE WEST ~ ZIP Code: 16125**

Decimal Degrees: **41.395547 N, -80.384645 W**

Degrees Minutes Seconds: **41° 23' 44" N, -80° 23' 4.7" W**



2. SEARCH RESULTS

Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response
U.S. Fish and Wildlife Service	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response

As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate there may be potential impacts to threatened and endangered and/or special concern species and resources within the project area. If the response above indicates "No Further Review Required" no additional communication with the respective agency is required. If the response is "Further Review Required" or "See Agency Response," refer to the appropriate agency comments below. Please see the DEP Information Section of this receipt if a PA Department of Environmental Protection Permit is required.

3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are **valid for two years** (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt. The jurisdictional agencies **strongly advise against** conducting surveys for the species listed on the receipt prior to consultation with the agencies.

PA Game Commission

RESPONSE: No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Department of Conservation and Natural Resources

RESPONSE: No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Fish and Boat Commission

RESPONSE: Further review of this project is necessary to resolve the potential impacts(s). Please send project information to this agency for review (see WHAT TO SEND).

PFBC Species: (Note: The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer species than what is listed below.)

Scientific Name: *Alasmodontia marginata*

Common Name: Elktoe

Current Status: Special Concern Species*

Proposed Status: Special Concern Species*

Scientific Name: *Amblema plicata*

Common Name: Three-ridge

Current Status: Special Concern Species*

Proposed Status: Threatened

Scientific Name: *Fusconaia subrotunda*

Common Name: Long-solid

Current Status: Special Concern Species*

Proposed Status: Endangered

Scientific Name: *Lampsilis fasciola*

Common Name: Wavy-rayed Lampmussel
Current Status: Special Concern Species*
Proposed Status: Special Concern Species*

Scientific Name: Lasmigona compressa
Common Name: Creek Heelsplitter
Current Status: Special Concern Species*
Proposed Status: Special Concern Species*

Scientific Name: Obovaria subrotunda
Common Name: Round Hickorynut
Current Status: Special Concern Species*
Proposed Status: Endangered

Scientific Name: Pleurobema sintoxia
Common Name: Round Pigtoe
Current Status: Special Concern Species*
Proposed Status: Endangered

Scientific Name: Sensitive Species**
Common Name:
Current Status: Special Concern Species*
Proposed Status: Endangered

Scientific Name: Sensitive Species**
Common Name:
Current Status: Special Concern Species*
Proposed Status: Endangered

Scientific Name: Sensitive Species**
Common Name:
Current Status: Special Concern Species*
Proposed Status: Endangered

U.S. Fish and Wildlife Service

RESPONSE: Further review of this project is necessary to resolve the potential impacts(s). Please send project information to this agency for review (see WHAT TO SEND).

* Special Concern Species or Resource - Plant or animal species classified as rare, tentatively undetermined or candidate as well as other taxa of conservation concern, significant natural communities, special concern populations (plants or animals) and unique geologic features.

** Sensitive Species - Species identified by the jurisdictional agency as collectible, having economic value, or

being susceptible to decline as a result of visitation.

WHAT TO SEND TO JURISDICTIONAL AGENCIES

If project information was requested by one or more of the agencies above, send the following information to the agency(s) seeking this information (see AGENCY CONTACT INFORMATION).

Check-list of Minimum Materials to be submitted:

- ☐ **SIGNED** copy of this Project Environmental Review Receipt
- ☐ Project narrative with a description of the overall project, the work to be performed, current physical characteristics of the site and acreage to be impacted.
- ☐ Project location information (name of USGS Quadrangle, Township/Municipality, and County)
- ☐ USGS 7.5-minute Quadrangle with project boundary clearly indicated, and quad name on the map

The inclusion of the following information may expedite the review process.

- ☐ A basic site plan (particularly showing the relationship of the project to the physical features such as wetlands, streams, ponds, rock outcrops, etc.)
- ☐ Color photos keyed to the basic site plan (i.e. showing on the site plan where and in what direction each photo was taken and the date of the photos)
- ☐ Information about the presence and location of wetlands in the project area, and how this was determined (e.g., by a qualified wetlands biologist), if wetlands are present in the project area, provide project plans showing the location of all project features, as well as wetlands and streams

4. DEP INFORMATION

The Pa Department of Environmental Protection (DEP) requires that a signed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted with applications for permits requiring PNDI review. For cases where a "Potential Impact" to threatened and endangered species has been identified before the application has been submitted to DEP, the application should not be submitted until the impact has been resolved. For cases where "Potential Impact" to special concern species and resources has been identified before the application has been submitted, the application should be submitted to DEP along with the PNDI receipt. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. DEP and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at <http://www.naturalheritage.state.pa.us>.

5. ADDITIONAL INFORMATION

The PNDI environmental review website is a preliminary screening tool. There are often delays in updating species status classifications. Because the proposed status represents the best available information regarding the conservation status of the species, state jurisdictional agency staff give the proposed statuses at least the same consideration as the current legal status. If surveys or further information reveal that a threatened and endangered and/or special concern species and resources exist in your project area, contact the appropriate jurisdictional agency/agencies immediately to identify and resolve any impacts.

For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page (www.naturalheritage.state.pa.us). Also note that the PNDI Environmental Review Tool only contains information about species occurrences that have actually been reported to the PNHP.

6. AGENCY CONTACT INFORMATION

PA Department of Conservation and Natural Resources

Bureau of Forestry, Ecological Services Section
400 Market Street, PO Box 8552, Harrisburg, PA.
17105-8552
Fax: (717) 772-0271

U.S. Fish and Wildlife Service

Endangered Species Section
315 South Allen Street, Suite 322, State College, PA.
16801-4851
NO Faxes Please.

PA Fish and Boat Commission

Division of Environmental Services
450 Robinson Lane, Bellefonte, PA. 16823-7437
NO Faxes Please

PA Game Commission

Bureau of Wildlife Habitat Management
Division of Environmental Planning and Habitat Protection
2001 Elmerton Avenue, Harrisburg, PA. 17110-9797
Fax: (717) 787-6957

7. PROJECT CONTACT INFORMATION

Name: JOSEPH GORMLEY
Company/Business Name: GOLDER ASSOCIATES, INC.
Address: 200 CENTURY PARKWAY, SUITE C
City, State, Zip: MT. LAUREL, NJ 08054
Phone: (856) 793-2005 Fax: (856) 793-2006
Email: jgormley@golder.com

8. CERTIFICATION

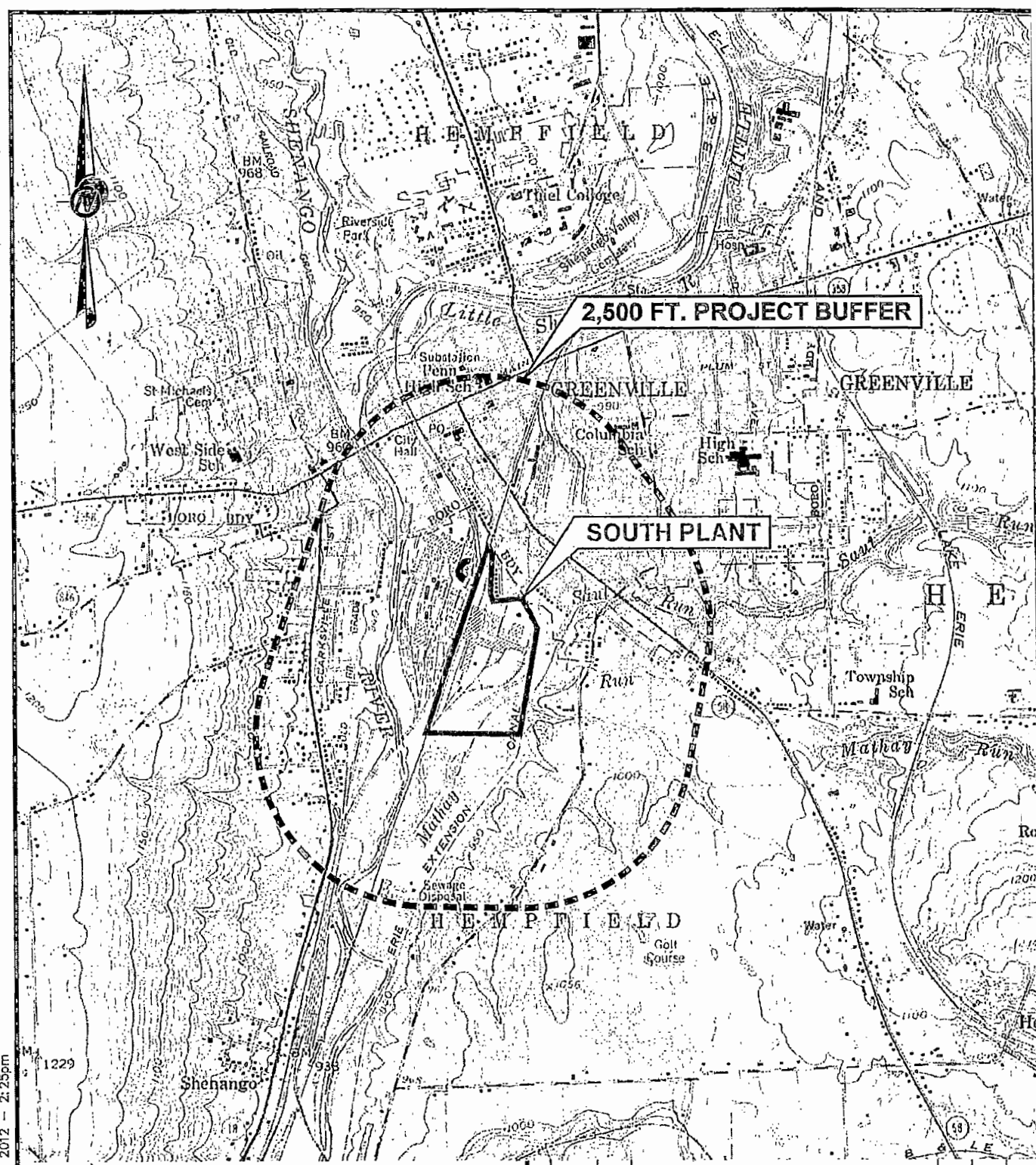
I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change, I agree to redo the online environmental review.

Ja B Gormley
applicant/project proponent signature

8/21/2012
date

ENCLOSURE 2
Site Location, Layout, and Photographs

Drawing file: 0736009AH01.dwg Aug 21, 2012 - 2:25pm



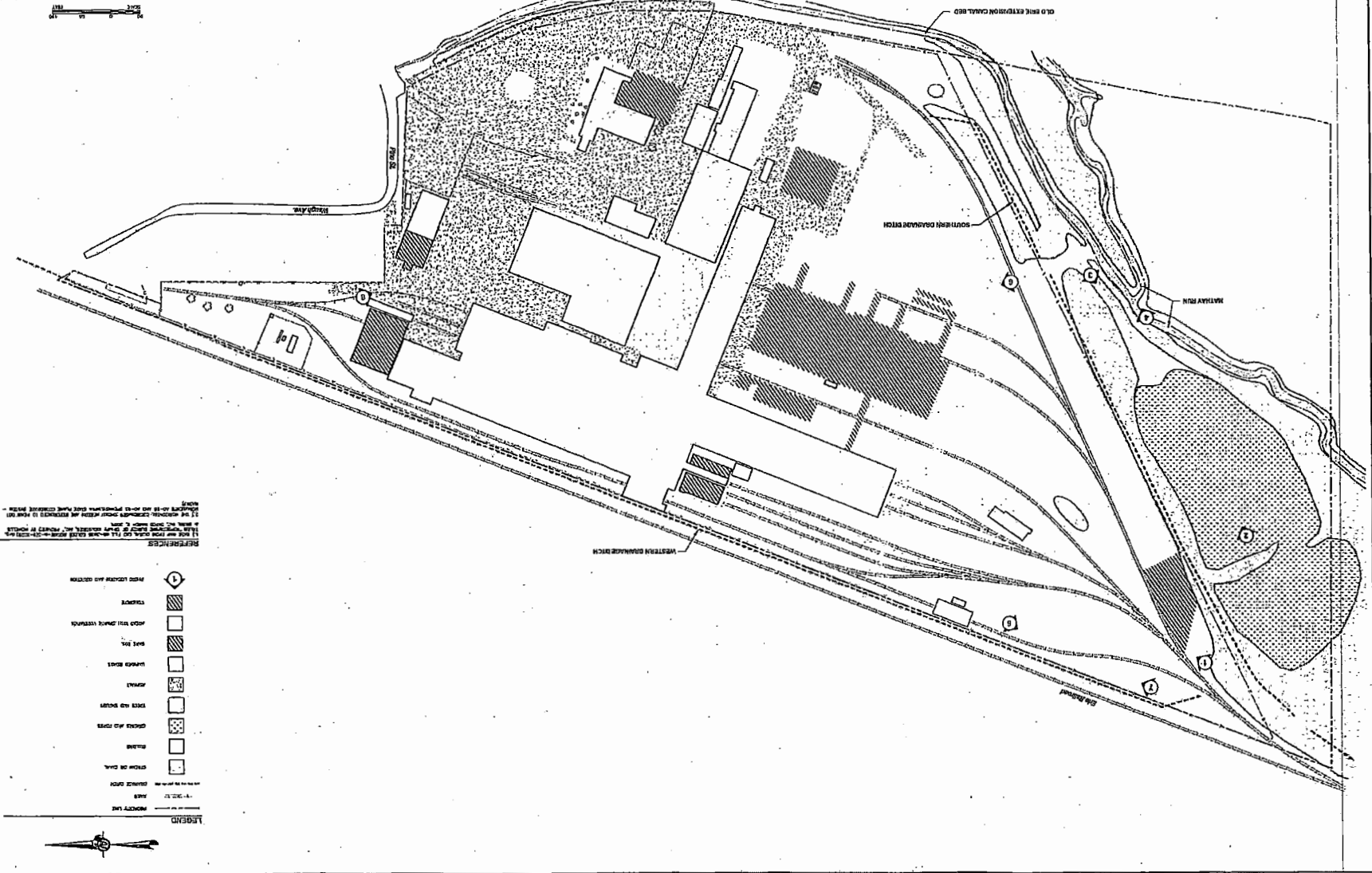
REFERENCE

1.) BASE MAP TAKEN FROM USGS 7.5 MINUTE SERIES QUADRANGLES OF GREENVILLE WEST AND GREENVILLE EAST, DATED 1958, PHOTOREVISED IN 1990 AND 1970 RESPECTIVELY.

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
PROJECT						
TRINITY INDUSTRIES, INC.						
SOUTH PLANT						
GREENVILLE BORO & HEMPFIELD TWP., MERCER CO., PA.						
TITLE						
SITE LOCATION MAP						
PROJECT No.		073-6009		FILE No.		0736009AH01
DESIGN	JAB	08/21/12	SCALE	AS SHOWN	REV.	0
CADD	RG	08/21/12				
CHECK	VEF	08/21/12				
REVIEW	JBG	08/21/12				

Golder Associates
Mt. Laurel, New Jersey

FIGURE 1



Site: Trinity Industries, South Plant

Project: Baseline Ecological Evaluation

Photo 01

Date:
5/19/2009

Description:
Looking
northeast from
center of site at
inactive
buildings and
overall lack of
groundcover.

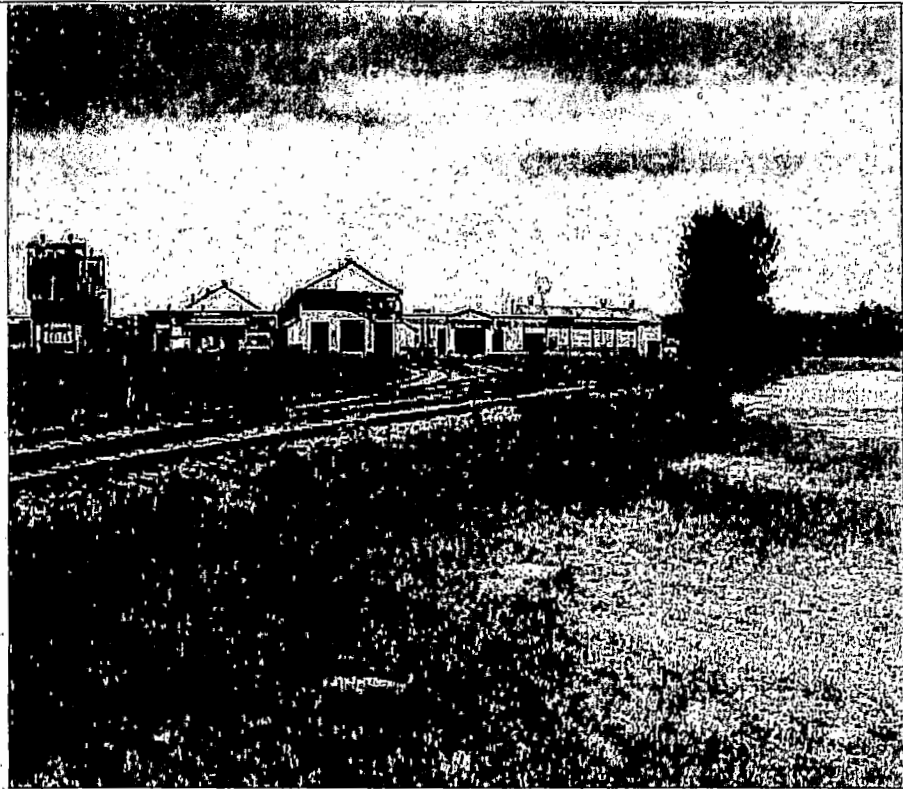
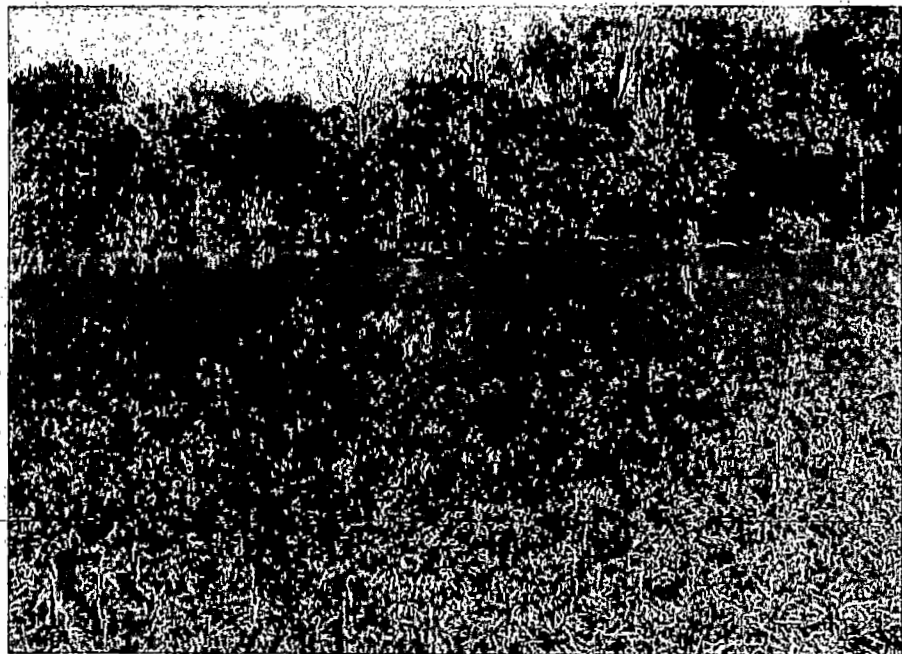


Photo 02

Date:
5/19/2009

Description:
Looking
northeast from
open field in
southern
portion of site
supporting
invasive,
disturbance
related grasses
and forbs.



Site: Trinity Industries, South Plant

Project: Baseline Ecological Evaluation

Photo 03

Date: 5/19/2009

Description:

Looking southwest at patch of deciduous trees and shrubs in southeastern portion of site.



Photo 04

Date: 5/19/2009

Description:

Looking northeast at upstream section of Mathay Run.



Site: Trinity Industries, South Plant

Project: Baseline Ecological Evaluation

Photo 05

Date: 5/19/2009

Description:
Looking southwest at sparse groundcover on each side of inactive railroad track. Active railroad track outside western fence to right.

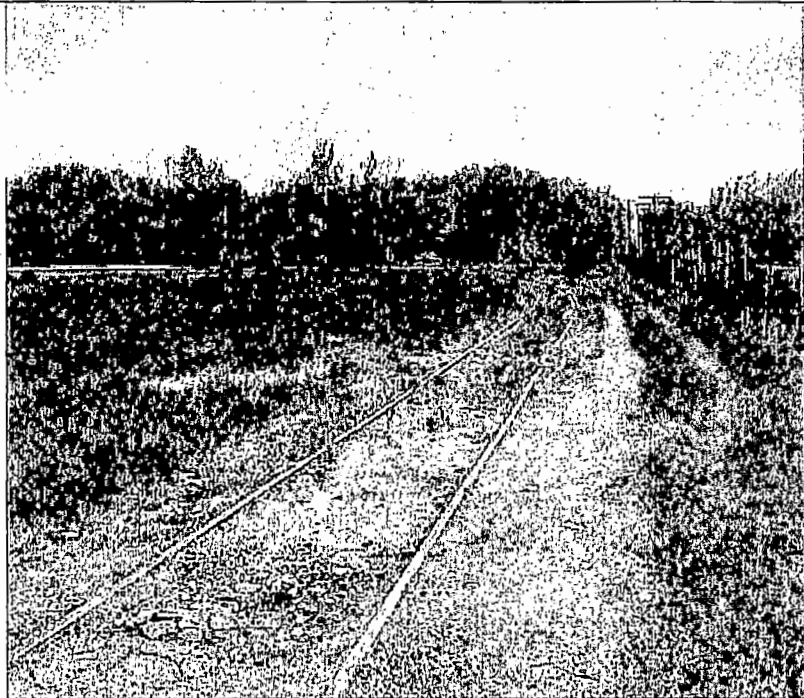
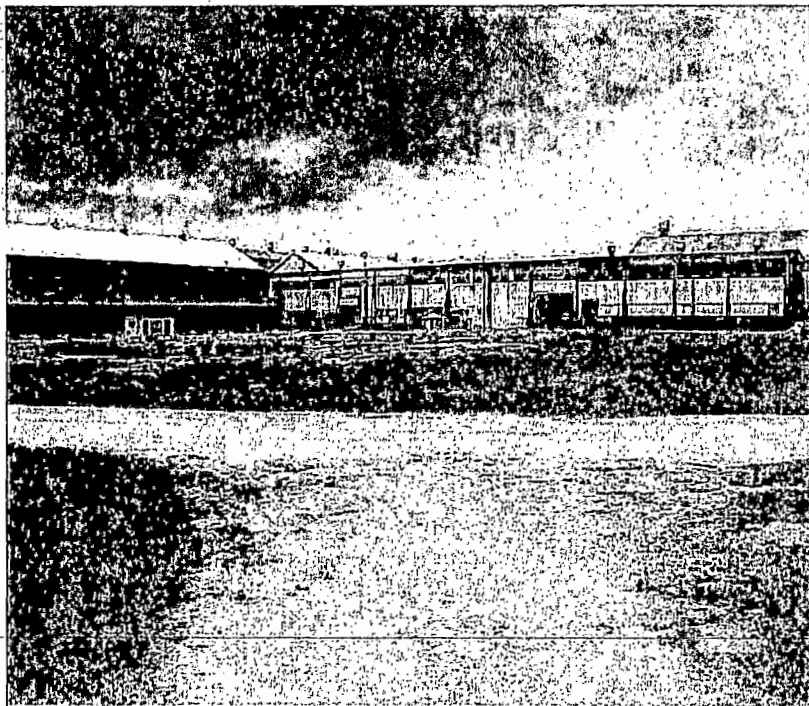


Photo 06

Date: 5/19/2009

Description:
Looking northwest at sparse groundcover and inactive buildings in center of site.



Site: Trinity Industries, South Plant

Project: Baseline Ecological Evaluation

Photo 07

Date: 5/19/2009

Description:

Looking northeast at drainage ditch outside of western fence along active railroad line.

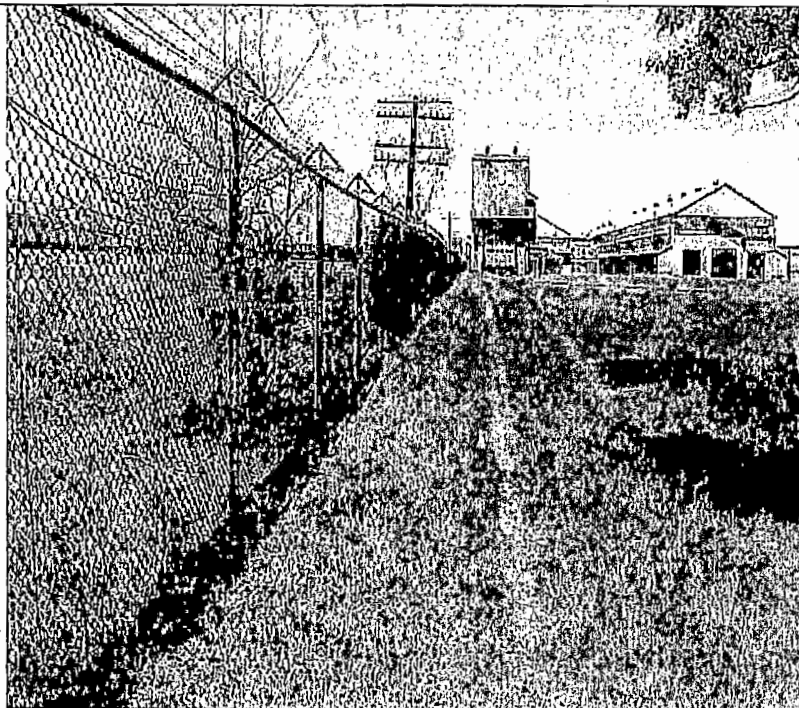
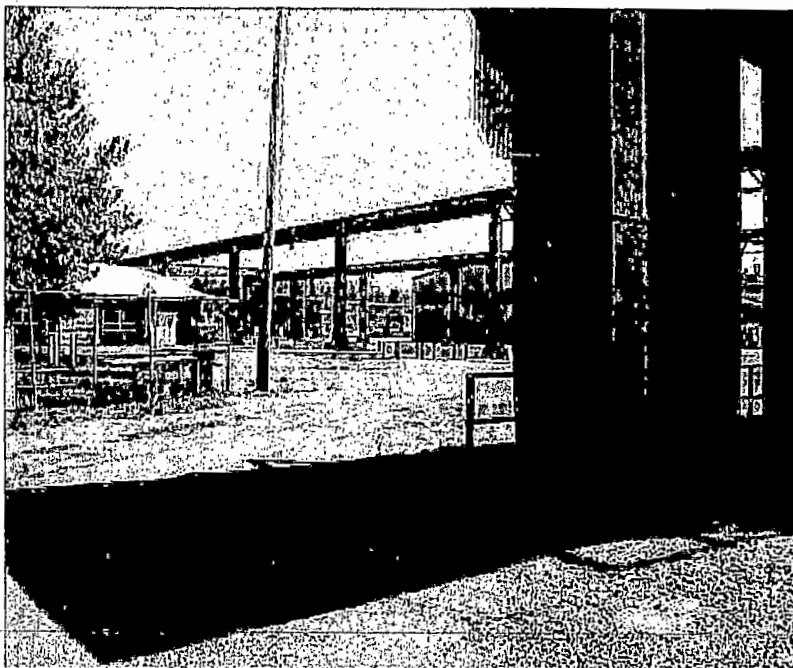


Photo 08

Date: 5/19/2009

Description:

Looking southeast at asphalt pavement, concrete, and compacted soils between buildings in northern portion of site.





United States Department of the Interior



FISH AND WILDLIFE SERVICE
Pennsylvania Field Office
315 South Allen Street, Suite 322
State College, Pennsylvania 16801-4850
October 10, 2012

RECEIVED

OCT 12 2012

Joseph Gormley
Golder Associates, Inc.
200 Century Park, Suite C
Mt. Laurel, NJ 08054

GOLDER-N.J.

RE: USFWS Project #2009-1556; PNDI Review #20120718364256

Dear Mr. Gormley:

This responds to your letter of August 21, 2012, requesting information about federally listed and proposed endangered and threatened species within the area affected by the proposed Trinity South Plant site cleanup project near the Little Shenango River, Mercer County, Pennsylvania. The following comments are provided pursuant to the Endangered Species Act of 1973 (87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*) to ensure the protection of endangered and threatened species.

The Little Shenango River is inhabited by two federally listed, endangered mussel species, the Snuffbox (*Epioblasma triquetra*) and Clubshell (*Pleurobema clava*). Freshwater mussels are sedentary filter-feeders, and as such, they are vulnerable to substrate disturbance, silt deposition, scouring, water quality degradation, changes in channel morphology, and alterations of river hydrology.

The endangered mussels may occur in or near the project area. Based on our review of the project plans we understand no construction or earth disturbance will occur within the streambanks. We recommend that you develop an erosion and sedimentation control plan to minimize the amount of sedimentation entering the river. If an appropriate plan is developed and implemented effectively, no adverse effects to this species are likely to occur. If there is any change in the location, scale, scope, layout or design of the project, further consultation or coordination with the Service will be necessary.

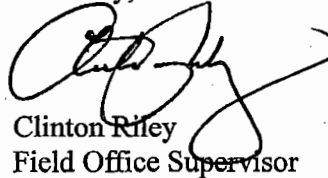
The above determination is valid for two years from the date of this letter. In addition, this response relates only to federally listed, proposed, and candidate species under our jurisdiction, based on an office review of the proposed project's location and anticipated impacts. No field inspection of the project area has been conducted by this office. Consequently, comments on this form are not to be construed as addressing other Service concerns under the Fish and Wildlife Coordination Act or other authorities.

This response relates only to endangered or threatened species under our jurisdiction, based on an office review of the proposed project's location. No field inspection of the project area has been conducted by this office. Consequently, this letter is not to be construed as addressing potential Service concerns under the Fish and Wildlife Coordination Act or other authorities.

To avoid potential delays in reviewing your project, please use the above-referenced USFWS project tracking number in any future correspondence regarding this project.

If you have any questions regarding this matter, please contact Kim Faulds of my staff at 814-234-4090.

Sincerely,



Clinton Riley
Field Office Supervisor

ATTACHMENT E

EROSION AND SEDIMENT CONTROL PLAN

PROVIDED SEPARATELY

ATTACHMENT F

POST-CONSTRUCTION STORMWATER MANAGEMENT PLAN

PROVIDED SEPARATELY

ATTACHMENT G

PADEP GENERAL INFORMATION FORM

ATTACHMENT G-1
PADEP GENERAL INFORMATION FORM CHECKLIST



pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

**GENERAL INFORMATION FORM -- AUTHORIZATION APPLICATION
APPLICANT'S CHECKLIST**

This final checklist is to assist the applicant in assuring that all requests for responses, contacts, additional documentation, etc. have been addressed. Please check the following list to make sure that you have included all the required information. Failure to provide all of the requested information will delay the processing of the application and may result in the application being placed on hold with no action, or will be considered withdrawn and the application file closed. This applicant's checklist need not be returned to DEP with your completed application.

REQUIREMENTS

- ☒ **1 ATTACHMENTS.** The completion of the GIF may require the submission of some or all of the following. Where appropriate, include the appropriate attachment(s) with the completed GIF.
- ☒ **a) Site Information, Written Directions to Site** - Attach additional sheets as necessary: (Att. G-2)
 - ☒ **b) Facility Information, Latitude/Longitude** - Attach additional sheets as necessary. (Att. G-2)
 - ☒ **c) Project Information, Project Description** - Attach additional sheets as necessary. (Att. G-2)
 - ☒ **d) Project Information, Time Schedules** -- Attach additional sheets as necessary. (Att. G-2)
 - ☒ **e) Land Use Information** - Please attached completed County and Municipal Land Use Letters. If County and Municipal Land Use Letters are not included, please attach documentation indicating zoning approval (for early opt-out option), or certified mail receipts indicating that requests for County and Municipal Land Use Letters were sent to the county and municipality. For more information, see GIF Instructions and the Department's Policy for Consideration of Local Comprehensive Plans and Zoning Ordinances in DEP Review of Authorizations for Facilities and Infrastructure - Document ID: 012-0200-001. (Att. C)
 - ☒ **f) Coordination Information** - If land is disturbed, it may be the applicant's responsibility to also notify the PA Historical and Museum Commission, Bureau of Historic Preservation, 400 North Street, Floor 2, Harrisburg, PA 17120-0093, (717) 787-3362. (Att. H)
PHMC notification is required for:
 - 1) purposes of construction activities for Individual NPDES permits disturbing 10 or more acres; and
 - 2) Erosion & Sediment Control permits.
 General NPDES permits disturbing 10 or more acres are exempt from PHMC notification. For additional information, see Cultural Resource Notice instructions to determine whether submission of information to PHMC is required for this permit application.
 - N/A ☐ **g) Coordination Information, Question 9.0.1** - Attach copy- Act 537 Approval Letter. Note: Approval required prior to 105/NPDES approval.
 - N/A ☐ **h) Coordination Information, Question 16.0.2** - Attach copy - Public Water Supplier's Agreement Letter to Serve the Project.
- ☒ **2 CONTACTS MADE.** According to information provided in the Coordination Information section, the appropriate DEP office may need to be contacted; as well as some agencies outside DEP. See the Instructions document for appropriate contact per coordination question.
In addition to contacts referenced above, prior to proceeding with any project, DEP encourages applicants to be in touch with municipal and county governments to get information on and secure, if possible, any local permits or approvals that might be required for the project. By doing so, potential conflicts at the local level can be resolved prior to application submission to DEP.
- ☒ **3 BEFORE YOU DIG -- CONTACT.** Pennsylvania One Call System at 1-800-242-1776.
- ☒ **4 APPLICATION SUBMITTED.** Application has been completed and properly signed according to instructions and type codes; and will be submitted to the appropriate DEP office.



GENERAL INFORMATION FORM – AUTHORIZATION APPLICATION

Before completing this General Information Form (GIF), read the step-by-step instructions provided in this application package. This version of the General Information Form (GIF) must be completed and returned with any program-specific application being submitted to the Department.

Related ID#s (If Known)		DEP USE ONLY
Client ID# _____	APS ID# _____	Date Received & General Notes
Site ID# _____	Auth ID# _____	
Facility ID# 731732		

CLIENT INFORMATION

DEP Client ID#	Client Type / Code Non-Government/ASSOR			
Organization Name or Registered Fictitious Name Trinity Industries, Inc.	Employer ID# (EIN) 75-0225040	Dun & Bradstreet ID#		
Individual Last Name	First Name	MI	Suffix	SSN
Additional Individual Last Name	First Name	MI	Suffix	SSN
Mailing Address Line 1 2525 N. Stemmons Freeway		Mailing Address Line 2		
Address Last Line – City Dallas	State TX	ZIP+4 75207-2401	Country USA	
Client Contact Last Name Barrett	First Name Terry	MI	Suffix P.G.	
Client Contact Title Remediation Projects Manager	Phone 214-589-8409		Ext	
Email Address terry.barrett@trin.net	FAX 214-589-8075			

SITE INFORMATION

DEP Site ID# 731732	Site Name Trinity South Plant			
EPA ID#	Estimated Number of Employees to be Present at Site			
Description of Site Site Cleanup Activities				
County Name Mercer	Municipality Hempfield	City <input type="checkbox"/>	Boro <input type="checkbox"/>	Twp <input checked="" type="checkbox"/>
County Name	Municipality	City <input type="checkbox"/>	Boro <input type="checkbox"/>	Twp <input type="checkbox"/>
Site Location Line 1 100 York St.		Site Location Line 2		
Site Location Last Line – City Greenville	State PA	ZIP+4 16125-1528		
Detailed Written Directions to Site see attached Page 1A of 7				
Site Contact Last Name Barrett	First Name Terry	MI	Suffix P.G.	
Site Contact Title Remediation Projects Manager	Site Contact Firm Trinity Industries, Inc.			
Mailing Address Line 1 2525 N. Stemmons Freeway	Mailing Address Line 2			
Mailing Address Last Line – City Dallas	State TX	ZIP+4 75207-2401		

Phone 214-589-9409	Ext	FAX 214-589-8075	Email Address terry.barrett@trin.net
NAICS Codes (Two- & Three-Digit Codes – List All That Apply) 562			6-Digit Code (Optional) 562910,562211
Client to Site Relationship Client (Owner) Site Contact			

FACILITY INFORMATION

Modification of Existing Facility				Yes	No
1. Will this project modify an existing facility, system, or activity?				<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Will this project involve an addition to an existing facility, system, or activity?				<input type="checkbox"/>	<input checked="" type="checkbox"/>
If "Yes", check all relevant facility types and provide DEP facility identification numbers below.					
Facility Type	DEP Fac ID#	Facility Type	DEP Fac ID#		
<input type="checkbox"/> Air Emission Plant		<input type="checkbox"/> Industrial Minerals Mining Operation			
<input type="checkbox"/> Beneficial Use (water)		<input type="checkbox"/> Laboratory Location			
<input type="checkbox"/> Blasting Operation		<input checked="" type="checkbox"/> Land Recycling Cleanup Location	731732		
<input type="checkbox"/> Captive Hazardous Waste Operation		<input type="checkbox"/> MineDrainageTrmt/LandRecyProjLocation			
<input type="checkbox"/> Coal Ash Beneficial Use Operation		<input type="checkbox"/> Municipal Waste Operation			
<input type="checkbox"/> Coal Mining Operation		<input type="checkbox"/> Oil & Gas Encroachment Location			
<input type="checkbox"/> Coal Pillar Location		<input type="checkbox"/> Oil & Gas Location			
<input type="checkbox"/> Commercial Hazardous Waste Operation		<input type="checkbox"/> Oil & Gas Water Poll Control Facility			
<input type="checkbox"/> Dam Location		<input type="checkbox"/> Public Water Supply System			
<input type="checkbox"/> Deep Mine Safety Operation -Anthracite		<input type="checkbox"/> Radiation Facility			
<input type="checkbox"/> Deep Mine Safety Operation -Bituminous		<input type="checkbox"/> Residual Waste Operation			
<input type="checkbox"/> Deep Mine Safety Operation -Ind Minerals		<input type="checkbox"/> Storage Tank Location			
<input type="checkbox"/> Encroachment Location (water, wetland)		<input type="checkbox"/> Water Pollution Control Facility			
<input type="checkbox"/> Erosion & Sediment Control Facility		<input type="checkbox"/> Water Resource			
<input type="checkbox"/> Explosive Storage Location		<input type="checkbox"/> Other:			
Latitude/Longitude Point of Origin		Latitude		Longitude	
		Degrees	Minutes	Seconds	
		41	23	44	80 23 9
Horizontal Accuracy Measure		Feet		--or-- Meters	
Horizontal Reference Datum Code		<input type="checkbox"/> North American Datum of 1927 <input type="checkbox"/> North American Datum of 1983 <input checked="" type="checkbox"/> World Geodetic System of 1984			
Horizontal Collection Method Code					
Reference Point Code					
Altitude		Feet		--or-- Meters	
Altitude Datum Name		<input type="checkbox"/> The National Geodetic Vertical Datum of 1929 <input checked="" type="checkbox"/> The North American Vertical Datum of 1988 (NAVD88)			
Altitude (Vertical) Location Datum Collection Method Code		UNK			
Geometric Type Code		UNK			
Data Collection Date					
Source Map Scale Number		1		Inch(es) = 100 Feet	
				--or-- Centimeter(s) = Meters	

PROJECT INFORMATION

Project Name Site Cleanup Activities– South Plant Site			
Project Description Cleanup – former manufacturing facility			
Project Consultant Last Name Foster.	First Name Veronica	MI E	Suffix P.E.
Project Consultant Title Senior Consultant		Consulting Firm Golder Associates, Inc.	
Mailing Address Line 1 200 Century Parkway		Mailing Address Line 2 Suite C	
Address Last Line – City Mt. Laurel		State NJ	ZIP+4 08054-1150

Phone 856-793-2005	Ext	FAX 856-793-2006	Email Address veronica_foster@golder.com
Time Schedules	Project Milestone (Optional)		
09/2013	Contractor Mobilization		
07/2014	Contractor Substantial Completion		
07/2014	Contractor De-mobilization		
1. Have you informed the surrounding community and addressed any concerns prior to submitting the application to the Department? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
2. Is your project funded by state or federal grants? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
<p>Note: If "Yes", specify what aspect of the project is related to the grant and provide the grant source, contact person and grant expiration date.</p> <p>Aspect of Project Related to Grant _____</p> <p>Grant Source: _____</p> <p>Grant Contact Person: _____</p> <p>Grant Expiration Date: _____</p>			
3. Is this application for an authorization on Appendix A of the Land Use Policy? (For referenced list, see Appendix A of the Land Use Policy attached to GIF instructions) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
<p>Note: If "No" to Question 3, the application is not subject to the Land Use Policy.</p> <p>If "Yes" to Question 3, the application is subject to this policy and the Applicant should answer the additional questions in the Land Use Information section.</p>			

LAND USE INFORMATION

Note: Applicants are encouraged to submit copies of local land use approvals or other evidence of compliance with local comprehensive plans and zoning ordinances.

1. Is there an adopted county or multi-county comprehensive plan?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
2. Is there an adopted municipal or multi-municipal comprehensive plan?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
3. Is there an adopted county-wide zoning ordinance, municipal zoning ordinance or joint municipal zoning ordinance?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<p>Note: If the Applicant answers "No" to either Questions 1, 2 or 3, the provisions of the PA MPC are not applicable and the Applicant does not need to respond to questions 4 and 5 below.</p> <p>If the Applicant answers "Yes" to questions 1, 2 and 3, the Applicant should respond to questions 4 and 5 below.</p>		
4. Does the proposed project meet the provisions of the zoning ordinance or does the proposed project have zoning approval? If zoning approval has been received, attach documentation.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
5. Have you attached Municipal and County Land Use Letters for the project?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

COORDINATION INFORMATION

Note: The PA Historical and Museum Commission must be notified of proposed projects in accordance with DEP Technical Guidance Document 012-0700-001 and the accompanying Cultural Resource Notice Form.

If the activity will be a mining project (i.e., mining of coal or industrial minerals, coal refuse disposal and/or the operation of a coal or industrial minerals preparation/processing facility), respond to questions 1.0 through 2.5 below.

If the activity will not be a mining project, skip questions 1.0 through 2.5 and begin with question 3.0.

1.0	Is this a coal mining project? If "Yes", respond to 1.1-1.6. If "No", skip to Question 2.0.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
1.1	Will this coal mining project involve coal preparation/ processing activities in which the total amount of coal prepared/processed will be equal to or greater than 200 tons/day?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
1.2	Will this coal mining project involve coal preparation/ processing activities in which the total amount of coal prepared/processed will be greater than 50,000 tons/year?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
1.3	Will this coal mining project involve coal preparation/ processing activities in which thermal coal dryers or pneumatic coal cleaners will be used?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
1.4	For this coal mining project, will sewage treatment facilities be constructed and treated waste water discharged to surface waters?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
1.5	Will this coal mining project involve the construction of a permanent impoundment meeting one or more of the following criteria: (1) a contributory drainage area exceeding 100 acres; (2) a depth of water measured by the upstream toe of the dam at maximum storage elevation exceeding 15 feet; (3) an impounding capacity at maximum storage elevation exceeding 50 acre-feet?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
1.6	Will this coal mining project involve underground coal mining to be conducted within 500 feet of an oil or gas well?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
2.0	Is this a non-coal (industrial minerals) mining project? If "Yes", respond to 2.1-2.6. If "No", skip to Question 3.0.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
2.1	Will this non-coal (industrial minerals) mining project involve the crushing and screening of non-coal minerals other than sand and gravel?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
2.2	Will this non-coal (industrial minerals) mining project involve the crushing and/or screening of sand and gravel with the exception of wet sand and gravel operations (screening only) and dry sand and gravel operations with a capacity of less than 150 tons/hour of unconsolidated materials?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
2.3	Will this non-coal (industrial minerals) mining project involve the construction, operation and/or modification of a portable non-metallic (i.e., non-coal) minerals processing plant under the authority of the General Permit for Portable Non-metallic Mineral Processing Plants (i.e., BAQ-PGPA/GP-3)?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
2.4	For this non-coal (industrial minerals) mining project, will sewage treatment facilities be constructed and treated waste water discharged to surface waters?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
2.5	Will this non-coal (industrial minerals) mining project involve the construction of a permanent impoundment meeting one or more of the following criteria: (1) a contributory drainage area exceeding 100 acres; (2) a depth of water measured by the upstream toe of the dam at maximum storage elevation exceeding 15 feet; (3) an impounding capacity at maximum storage elevation exceeding 50 acre-feet?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
3.0	Will your project, activity, or authorization have anything to do with a well related to oil or gas production, have construction within 200 feet of, affect an oil or gas well, involve the waste from such a well, or string power lines above an oil or gas well? If "Yes", respond to 3.1-3.3. If "No", skip to Question 4.0.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No

3.1	Does the oil- or gas-related project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a watercourse, floodway or body of water (including wetlands)?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
3.2	Will the oil- or gas-related project involve discharge of industrial wastewater or stormwater to a dry swale, surface water, ground water or an existing sanitary sewer system or storm water system? If "Yes", discuss in <i>Project Description</i> .	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
3.3	Will the oil- or gas-related project involve the construction and operation of industrial waste treatment facilities?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
4.0	Will the project involve a construction activity that results in earth disturbance? If "Yes", specify the total disturbed acreage.	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
4.0.1	Total Disturbed Acreage 30 acres				
5.0	Does the project involve any of the following? If "Yes", respond to 5.1-5.3. If "No", skip to Question 6.0.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
5.1	Water Obstruction and Encroachment Projects – Does the project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a watercourse, floodway or body of water?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.2	Wetland Impacts – Does the project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a wetland?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.3	Floodplain Projects by the commonwealth, a Political Subdivision of the commonwealth or a Public Utility – Does the project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a floodplain?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
6.0	Will the project involve discharge of stormwater or wastewater from an industrial activity to a dry swale, surface water, ground water or an existing sanitary sewer system or separate storm water system?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
7.0	Will the project involve the construction and operation of industrial waste treatment facilities?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
8.0	Will the project involve construction of sewage treatment facilities, sanitary sewers, or sewage pumping stations? If "Yes", indicate estimated proposed flow (gal/day). Also, discuss the sanitary sewer pipe sizes and the number of pumping stations/treatment facilities/name of downstream sewage facilities in the <i>Project Description</i> , where applicable.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
8.0.1	Estimated Proposed Flow (gal/day)				
9.0	Will the project involve the subdivision of land, or the generation of 800 gpd or more of sewage on an existing parcel of land or the generation of an additional 400 gpd of sewage on an already-developed parcel, or the generation of 800 gpd or more of industrial wastewater that would be discharged to an existing sanitary sewer system?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
9.0.1	Was Act 537 sewage facilities planning submitted and approved by DEP? If "Yes" attach the approval letter. Approval required prior to 105/NPDES approval.	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
10.0	Is this project for the beneficial use of biosolids for land application within Pennsylvania? If "Yes" indicate how much (i.e. gallons or dry tons per year).	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
10.0.1	Gallons Per Year (residential septage)				
10.0.2	Dry Tons Per Year (biosolids)				
11.0	Does the project involve construction, modification or removal of a dam? If "Yes", identify the dam.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
11.0.1	Dam Name				
12.0	Will the project interfere with the flow from, or otherwise impact, a dam? If "Yes", identify the dam.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
12.0.1	Dam Name				

13.0	Will the project involve operations (excluding during the construction period) that produce air emissions (i.e., NOX, VOC, etc.)? If "Yes", identify each type of emission followed by the amount of that emission.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
13.0.1	Enter all types & amounts of emissions; separate each set with semicolons.				
14.0	Does the project include the construction or modification of a drinking water supply to serve 15 or more connections or 25 or more people, at least 60 days out of the year? If "Yes", check all proposed sub-facilities.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
14.0.1	Number of Persons Served				
14.0.2	Number of Employee/Guests				
14.0.3	Number of Connections				
14.0.4	Sub-Fac: Distribution System	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.5	Sub-Fac: Water Treatment Plant	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.6	Sub-Fac: Source	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.7	Sub-Fac: Pump Station	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.8	Sub Fac: Transmission Main	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.9	Sub-Fac: Storage Facility	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
15.0	Will your project include infiltration of storm water or waste water to ground water within one-half mile of a public water supply well, spring or infiltration gallery?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
16.0	Is your project to be served by an existing public water supply? If "Yes", indicate name of supplier and attach letter from supplier stating that it will serve the project.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
16.0.1	Supplier's Name				
16.0.2	Letter of Approval from Supplier is Attached	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
17.0	Will this project involve a new or increased drinking water withdrawal from a stream or other water body? If "Yes", should reference both Water Supply and Watershed Management.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
17.0.1	Stream Name				
18.0	Will the construction or operation of this project involve treatment, storage, reuse, or disposal of waste? If "Yes", indicate what type (i.e., hazardous, municipal (including infectious & chemotherapeutic), residual) and the amount to be treated, stored, re-used or disposed.	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
18.0.1	Type & Amount	Approx. 15,000 cubic yards of residual soils (non-hazardous, metals impacted) will be relocated and consolidated on-Site under a geosynthetic and clean soil engineered cap system.			
19.0	Will your project involve the removal of coal, minerals, etc. as part of any earth disturbance activities?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
20.0	Does your project involve installation of a field constructed underground storage tank? If "Yes", list each Substance & its Capacity. Note: Applicant may need a Storage Tank Site Specific Installation Permit.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
20.0.1	Enter all substances & capacity of each; separate each set with semicolons.				
21.0	Does your project involve installation of an aboveground storage tank greater than 21,000 gallons capacity at an existing facility? If "Yes", list each Substance & its Capacity. Note: Applicant may need a Storage Tank Site Specific Installation Permit.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
21.0.1	Enter all substances & capacity of each; separate each set with semicolons.				

- 22.0 Does your project involve installation of a tank greater than 1,100 gallons which will contain a highly hazardous substance as defined in DEP's Regulated Substances List, 2570-BK-DEP2724? If "Yes", list each Substance & its Capacity. Note: Applicant may need a Storage Tank Site Specific Installation Permit. ☐ Yes ☒ No
22.0.1 Enter all substances & capacity of each; separate each set with semicolons.
- 23.0 Does your project involve installation of a storage tank at a new facility with a total AST capacity greater than 21,000 gallons? If "Yes", list each Substance & its Capacity. Note: Applicant may need a Storage Tank Site Specific Installation Permit. ☐ Yes ☒ No
23.0.1 Enter all substances & capacity of each; separate each set with semicolons.
- 24.0 Will the intended activity involve the use of a radiation source? ☒ Yes ☐ No

Nuclear density gage (measures compaction effort in fill material) and hand-held X-Ray Fluorescence (XRF) analyzers (measures metal concentrations in solid media) with a radiation source will be used during construction

Environmental remediation of a former rail car manufacturing plant **CERTIFICATION**

I certify that I have the authority to submit this application on behalf of the applicant named herein and that the information provided in this application is true and correct to the best of my knowledge and information.

Type or Print Name

Richard T. Barnett

Signature

R. T. Barnett

Title

Remediation Manager

Date

7/24/2013



July 18, 2013

Project No. 073-6009-100

Ms. Kira Heinrich
Pennsylvania Historical and Museum Commission
State Historic Preservation Office
Commonwealth Keystone Building, 2nd Floor
400 North Street
Harrisburg, PA 17120-0093

**RE: NPDES STORMWATER DISCHARGE PERMIT APPLICATION
TRINITY SOUTH PLANT SITE CLEANUP ACTIVITIES - TRINITY INDUSTRIES, INC.
HEMPFIELD TOWNSHIP, PA**

Dear Ms. Heinrich:

On behalf of Trinity Industries, Inc. (Trinity), Golder Associates Inc. (Golder) is preparing an application for a National Pollutant Discharge Elimination System (NPDES) Permit for Stormwater Discharges Associated with Construction Activities for the Site Cleanup of the former South Plant Site (South Plant or Site) located in the Hempfield Township, Mercer County, Pennsylvania. The specific permit application information is listed below:

Name of Applicant: Trinity Industries, Inc.; C/O Golder Associates Inc.
Address of Applicant: 200 Century Parkway, Suite C; Mt. Laurel, NJ 08054
Project Location: 100 York Street, Greenville, PA 16125
Project Description: Site Cleanup Activities; South Plant Site; Trinity Industries, Inc.

As part of the submittal to the Pennsylvania Department of Environmental Protection (PADEP), and in accordance with PADEP's Land Use Policy, we must include a coordination letter or clearance letter from the Pennsylvania Historical and Museum Commission (PHMC). To that end, please find attached a Project Review Form to determine if the proposed construction will have an impact on historically sensitive resources.

The construction project is a Site Cleanup being performed under a Consent Order and Agreement (COA) between Trinity and the PADEP in accordance with the requirements of the Pennsylvania Land Recycling and Environmental Remediation Standards Act (Act 2). Under the COA, Trinity submitted a Cleanup Plan to PADEP that detailed the Site cleanup activities. The Cleanup Plan was approved by PADEP on May 24, 2013, and Golder is currently preparing an application for an Individual NPDES Permit.

The "South Plant" is defined collectively as the three (3) parcels of real property that cover approximately 53 acres located at 100 York Street in Hempfield Township, Mercer County, Pennsylvania as shown in Figure 1-1. The South Plant was previously owned by Chicago Bridge & Iron Company (CB&I). CB&I began operation at the South Plant in 1911 and manufactured large water tanks and other equipment for the railroad industry. In 1989, Trinity purchased the South Plant, refurbished the facilities, and began manufacturing rail cars. Trinity continued to manufacture rail cars at the Site until 2000. The South Plant property contains approximately 15 buildings along with four exterior cranes and two transfer tables. These structures occupy about 1/3 of the property. The remaining areas of the South Plant consist of concrete and asphalt pavement, former building slabs, railroad track/sidings, areas with sparse vegetation, grassy open areas, and wooded areas. The South Plant is serviced by railroad tracks from the south and an active railroad line is located along the western property boundary. The Site is currently inactive with Site workers performing only security and building/general Site maintenance.

g:\projects\2007 projects\073-6009-100 trinity south plant\permitting\npdes\notification letters\phmc\phmc-letter-final.docx

Golder Associates Inc.
200 Century Parkway, Suite C
Mt. Laurel, NJ 08054 USA

Tel: (856) 793-2006 Fax: (856) 793-2006 www.golder.com

Golder Associates: Operations in Africa, Asia, Australasia, Europe, North America and South America

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While the South Plant is zoned industrial, it is located in a mixed use area consisting of residential properties to the north and east, industrial properties to the north and west, and wooded property to the south. An extension of the Erie Canal is located along the eastern boundary of the property and a stream, Mathay Run, crosses the southern portion of the property from east to the southwest. South of Mathay Run there is an area of mixed full grown trees and thick underbrush. Directly to the west of the South Plant are the following industrial properties:

- ☐ Track and right-of-way of the Norfolk Southern Railway Company (Norfolk Southern)
- ☐ Track and right-of-way of the Bessemer and Lake Erie Railroad (B&LE), a subsidiary of the Canadian National Railway Company (Canadian National)
- ☐ Shops and Yards of the B&LE

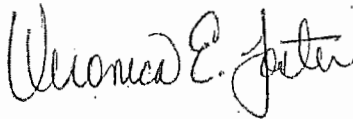
The Shenango River is located just beyond the railroad yards.

The Site cleanup activities will be conducted over the approximate 53-acre Site (see Drawing 4), and will generally consist of excavation in selected areas of the Site, a combination of off-Site disposal and on-Site consolidation, backfilling to existing grades, capping of the former disposal areas where excavated, impacted soils will be consolidated, and restoration to pre-excavation conditions (i.e., concrete, asphalt, grass, etc.).

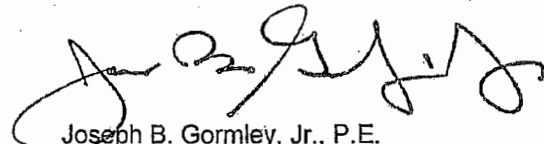
Golder appreciates your assistance in determining if the proposed cleanup plan construction will have an impact on historically sensitive resources. Should you have any questions, please do not hesitate to contact us.

Sincerely,

GOLDER ASSOCIATES INC.



Veronica E. Foster, P.E.
Senior Consultant



Joseph B. Gormley, Jr., P.E.
Senior Consultant, Project Coordinator

cc: Terry Barrett, P.G., Trinity (Electronic Copy)
M. Haney, Golder

Attachments:

Project Review Form - Request to Initiate SHPO Consultation
Figure 1-1 - Site Location Map
Drawing 4 - Extent of Proposed Excavation Areas
Photographs from Baseline Ecological Evaluation

VEF/JBG



PROJECT REVIEW FORM
Request to Initiate SHPO Consultation on
State and Federal Undertakings

SHPO USE ONLY

DATE RECEIVED:

ER NUMBER:

REV: 5/2012

SECTION A: GENERAL PROJECT INFORMATION

Is this a new submittal? ☒ YES ☐ NO OR ☐ This is additional information for ER Number:

Project Name Cleanup Plan Construction - Trinity North Plant Site

County Mercer

Project Address 100 York Street

City/State/Zip Greenville PA 16125

PA

16125

Municipality Hempfield

SECTION B: PRIMARY CONTACT INFORMATION

Name Joseph Gormley

Phone (856) 793-2005

Company Golder Associates Inc.

Fax (856) 793-2006

Street/P.O. Box 200 Century Parkway, Suite C

Email jgormley@golder.com

City/State/Zip Mt. Laurel NJ 08054

NJ

08054

SECTION C: PROJECT DESCRIPTION

This project is located on:
(check all that apply)

☐

Federal property

☐

State property

☐

Municipal property

☒

Private property

List all Federal and State agencies and programs (funding, permits, licenses) involved in this project

Agency Type

Agency/Program/Permit Name

Project/Permit/Tracking Number (if applicable)

State

PA Dept. of Environmental Protection

Facility ID 731732

Proposed Work – Attach project description, scope of work, site plans, and/or drawings

Project Includes (check all that apply):

☒

Construction

☐

Demolition

☐

Rehabilitation

☐

Disposition

Total acres of project area: 53 ac

Total acres of earth disturbance: 30 ac

Are there any buildings or structures within the project area?

☒

Yes

☐

No

Approximate age: 100+

This project involves properties listed in or eligible for listing in the National Register of Historic Places, or designated as historic by a local government

☐

Yes

☐

No

☒

Unsure

Name of historic property or historic districts

Unknown

Please print and mail completed form and all attachments to:

PHMC

State Historic Preservation Office

400 North St.

Commonwealth Keystone Building, 2nd Floor

Harrisburg, PA 17120-0093

Attachments – Please include the following information with this form:

☒

Map – 7.5' USGS quad showing project boundary and Area of Potential Effect

☒

Description/Scope – Describe the project, including any ground disturbance and previous land use

☒

Site Plans/Drawings – Indicate the location and age, if known, of all buildings in the project area

☒

Photographs – Attach prints or digital photographs showing the project site, including images of all buildings and structures keyed to a site plan

SHPO DETERMINATION (SHPO USE ONLY)

SHPO REVIEWER:

☐ There are **NO HISTORIC PROPERTIES** in the Area of Potential Effect

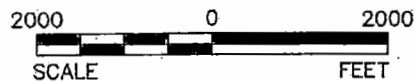
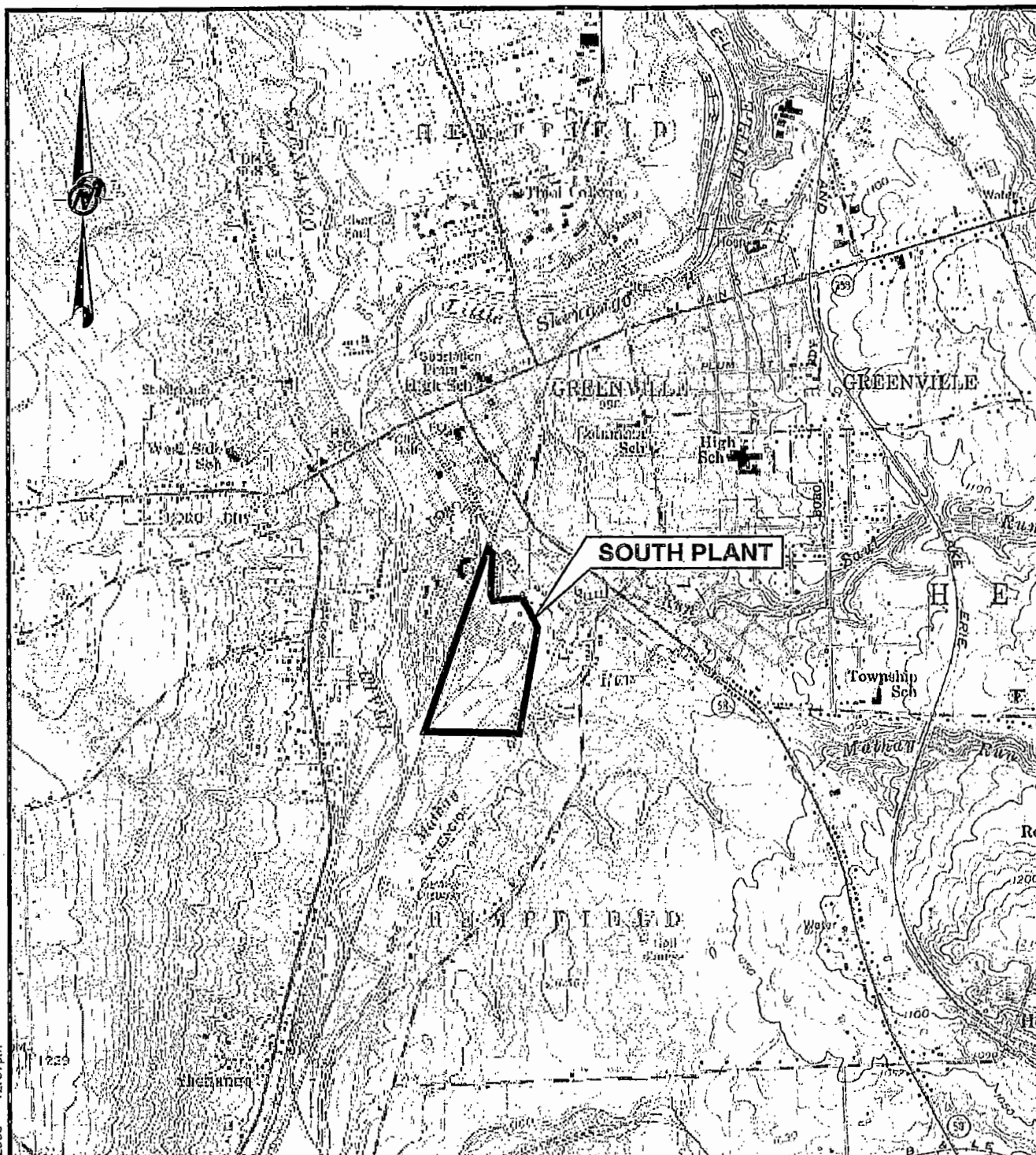
☐ The project will have **NO ADVERSE EFFECTS WITH CONDITIONS** (see attached)

☐ The project will have **NO EFFECT** on historic properties

☐ **SHPO REQUESTS ADDITIONAL INFORMATION** (see attached)

☐ The project will have **NO ADVERSE EFFECTS** on historic properties

Drawing files: 0736009K001.dwg Aug 19, 2009 - 12:37pm



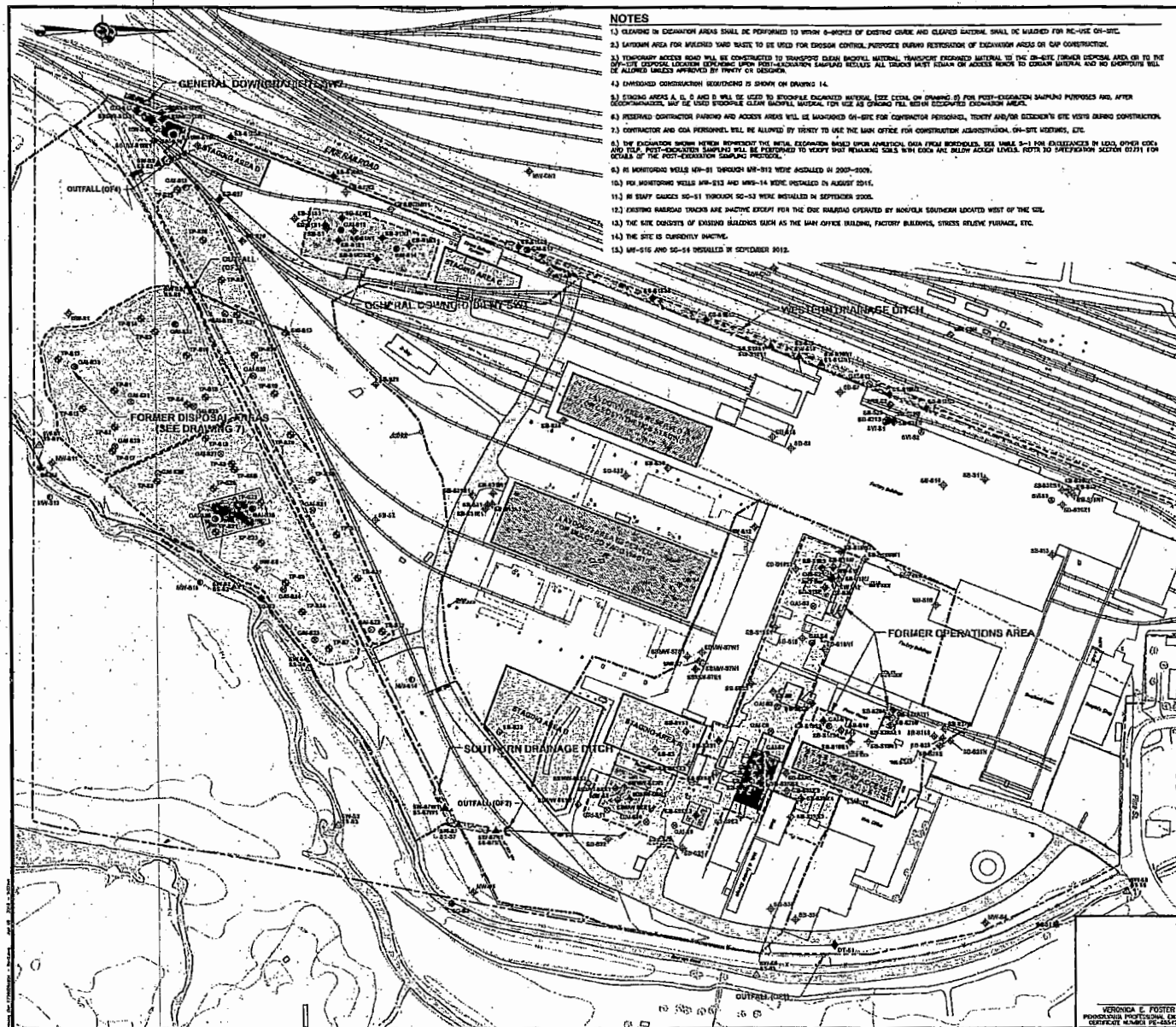
REFERENCE

1.) BASE MAP TAKEN FROM USGS 7.5 MINUTE SERIES QUADRANGLES OF GREENVILLE WEST AND GREENVILLE EAST, DATED 1958, PHOTOREVISED IN 1990 AND 1970 RESPECTIVELY.

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	REV
PROJECT REMEDIAL INVESTIGATION REPORT - SOUTH PLANT TRINITY INDUSTRIES, INC. GREENVILLE, PA.						
TITLE SITE LOCATION MAP						
PROJECT No. 073-8009		FILE No. 0736009K001				
DESIGN	JPR	08/18/09	SCALE	AS SHOWN	REV.	0
CADD	RG	08/18/09				
CHECK	JPR	08/18/09				
REVIEW	JBG	08/18/09				



FIGURE 1-1



NOTES

- 1.3 CLEANING IN EXCAVATION AREAS SHALL BE PERFORMED TO WITHIN 6-INCHES OF EXISTING GRADE AND CLEANED EXTERIOR SHALL BE MAINTAINED FOR RE-USE ON-SITE.
- 2.3 LAYDOWN AREA FOR MAINTENANCE WASTE TO BE USED FOR EROSION CONTROL, PURPOSES DURING RESTORATION OF EXCAVATION AREAS ON GAP CONSTRUCTION.
- 3.3 TEMPORARY ACCESS ROAD WILL BE CONSTRUCTED TO TRANSPORT CLEAN BACKFILL MATERIAL, TRANSPORT EXCAVATED MATERIAL TO THE ON-SITE FORMER DISPOSAL AREA OR TO THE OFF-SITE DISPOSAL LOCATION DEPENDING UPON POST-EXCAVATION LANDFILL RESULTS. ALL TRUCKS MUST REMAIN ON ACCESS ROAD TO CONTAIN MATERIAL AND NO DROPTOUTS WILL BE ALLOWED UNLESS APPROVED BY PERMITS OR USDOH.
- 4.3 EXISTING CONSTRUCTION SCHEDULING IS SHOWN ON DRAWING 14.
- 5.3 EXISTING AREAS A, B, C AND D WILL BE USED TO STOCKPILE EXCAVATED MATERIAL. EXISTING ON DRAWING 15 FOR POST-EXCAVATION SAMPLING PURPOSES AND, AFTER DECONTAMINATION, MAY BE USED TO STOCKPILE CLEAN BACKFILL MATERIAL FOR USE AS DRAINAGE FILL WITHIN EXCAVATED EXCAVATION AREAS.
- 6.3 EXISTING CONSTRUCTION PARKING AND ACCESS AREAS WILL BE MAINTAINED ON-SITE FOR CONSTRUCTION PURPOSES, TRUCKS AND/OR EQUIPMENT'S SITE VISITS DURING CONSTRUCTION.
- 7.3 CONTRACTOR AND O&A PERSONNEL WILL BE ALLOWED TO USE THE MAIN OFFICE FOR CONSTRUCTION ADMINISTRATION, ON-SITE MEETINGS, ETC.
- 8.1 THE EXCAVATION WORKS WHICH REPRESENT THE INITIAL EXCAVATION BASED UPON AMERICAN DATA FROM MONITORING, SEE TABLE 5-1 FOR EXCAVATION IN LOTS, OTHER CODES AND TELL. POST-EXCAVATION SAMPLING WILL BE PERFORMED TO VERIFY THAT REMAINING SOILS WITHIN EACH ARE BELOW ACCESS LEVELS. PATHS TO SATURATION SECTION (22.21) FOR DETAILS OF THE POST-EXCAVATION SAMPLING PROGRAM.
- 9.3 IN MONITORING WELLS MW-01 THROUGH MW-013 WERE INSTALLED IN 2007-2008.
- 10.3 FOR MONITORING WELLS MW-013 AND MW-014 WERE INSTALLED IN AUGUST 2016.
- 11.3 IN STAFF CARGES SO-01 THROUGH SO-03 WERE INSTALLED IN SEPTEMBER 2008.
- 12.3 EXISTING BARRELS ARE INACTIVE EXCEPT FOR THE ONE BARREL OPERATED BY MONITORING SOUTHERN LOCATED WEST OF THE SCL.
- 13.3 THE SITE CONDITIONS OF EXISTING BARRELS SUCH AS THE MAIN OFFICE BUILDING, FACTORY BUILDINGS, STREET RELIEVE PUMPS, ETC.
- 14.3 THE SITE IS CURRENTLY INACTIVE.
- 15.3 MW-016 AND SO-04 DEINSTALLED IN SEPTEMBER 2012.

LEGEND

- PROPERTY LINE
- RAILS
- CONTOUR LINE
- DRAINAGE DITCH WITH INTERMITTENT FLOW
- BOROUGH 24-INCH STORM SEWER
- STREAM OR CREEK
- 1.1 SURFACE WATER SAMPLE LOCATION
- 1.2 SURFACE WATER AND SEDIMENT SAMPLE LOCATION
- 1.3 SURFACE WATER AND SURFACE SOIL SAMPLE LOCATION
- 1.4 SURFACE SOIL SAMPLE LOCATION FROM DRAINAGE DITCH
- 1.5 GROUNDWATER MONITORING WELL LOCATION
- 1.6 SOIL BORING LOCATION
- 1.7 TEST PIT LOCATION
- 1.8 ADDITIONAL INVESTIGATION STAFF CHASE
- 1.9 SOIL SAMPLE LOCATION (SEE REFERENCE 4)
- 1.10 DYE TEST LOCATION (SEE REFERENCE 4)
- 1.11 VAPOR DETECTION SUB-SLAB SAMPLE LOCATION (SEE REFERENCE 4)
- 1.12 ADDITIONAL INVESTIGATION MONITORING WELL (SEE REFERENCE 4)
- EXTENT OF AREAS TO BE ADDRESS BY EXCAVATION OF DISPERSED SOILS AND BACKFILLING (SEE NOTE 1)
- EXTENT OF DISPOSAL AREA TO BE CAPPED (SEE NOTE 2)
- SURVEY BOUNDARY (SEE REFERENCE 1)
- STAGING AREA
- PARKING AND ACCESS
- LAYDOWN AREA
- 2 FT EXCAVATION
- 0-2 FT SURFACE SOIL REMOVAL
- 4 FT EXCAVATION
- 6 FT EXCAVATION
- 8 FT EXCAVATION
- 8 FT EXCAVATION AND 10-15 FT SOIL STABILIZATION FROM 6-20 FT
- PROPOSED TEMPORARY ACCESS ROAD, SEE DETAIL 1

REFERENCES

- 1.3 BASE MAP COMPILED FROM DIGITAL CAD FILES 00-3050 GOLDER-N-0-0-0, TITLED "TOPOGRAPHIC SURVEY OF TRINITY INDUSTRIES, INC." PROVIDED BY HONETELLS & BARD, INC. DATED JUNE 25, 2003 (DRAWN JUL 15, 2003) AND 11-1417 ADAMS AND 11-1417 B-0-0, TITLED "TOPOGRAPHIC SURVEY FOR TRINITY INDUSTRIES, INC. - SOUTH PLANT", PROVIDED BY HONETELLS & BARD, INC. DATED JULY 2011.
- 2.3 THE HORIZONTAL COORDINATES SHOWN BETWEEN ARE REFERENCED TO FDOT DOT MARKINGS AD-01 AND AD-02 (CONVENTIONAL STATE PLANE, COORDINATE SYSTEM - NAD83).
- 3.3 LOCATION OF BOROUGH 24-INCH STORM SEWER FROM GOLDER-BARD AND BORN COMPANY DRAINAGE TIE-IN PLANS, DRAWING PLAN IN VICINITY OF GOLDER-BARD, DATED JUNE 25, 2003.
- 4.3 PRE-DETECT AND ADDITIONAL INVESTIGATION LOCATIONS WERE TAKEN FROM DIGITAL CAD FILE "00-3050 GOLDER-N-0-0-0-0", PROVIDED BY HONETELLS & BARD, INC. DATED SEPTEMBER 10, 2012.

0 50 100
SCALE
FEET

DATE	04/09/13	BY	ADD	04-018 AND 03-04	NO	ADD	VEF
DATE	04/23/13	BY	ADD	04-018 AND 03-04	NO	ADD	VEF
DATE	05/01/13	BY	ADD	04-018 AND 03-04	NO	ADD	VEF

REVISED CLEANUP PLAN - SOUTH PLANT
TRINITY INDUSTRIES, INC.
GREENVILLE, PA

EXTENT OF
PROPOSED EXCAVATION AREAS

PROJECT NO.	023-0000	FILE NO.	0230000004
REGION	10	DATE	01/09/13
CADD	NO	DATE	01/09/13
CHECK	VEF	DATE	01/09/13
REVIEW	ADD	DATE	01/09/13

DRAWING 4

Site: Trinity Industries, South Plant

Project: Baseline Ecological Evaluation

Photo 01

Date:
5/19/2009

Description:
Looking
northeast from
center of site at
inactive
buildings and
overall lack of
groundcover.



Photo 02

Date:
5/19/2009

Description:
Looking
northeast from
open field in
southern
portion of site
supporting
invasive,
disturbance
related grasses
and forbs.



Site: Trinity Industries, South Plant

Project: Baseline Ecological Evaluation

Photo 03

Date: 5/19/2009

Description:

Looking southwest at patch of deciduous trees and shrubs in southeastern portion of site.



Photo 04

Date: 5/19/2009

Description:

Looking northeast at upstream section of Mathay Run.



Site: Trinity Industries, South Plant

Project: Baseline Ecological Evaluation

Photo 05

Date: 5/19/2009

Description:
Looking southwest at
sparse groundcover
on each side of
inactive railroad
track. Active railroad
track outside western
fence to right.

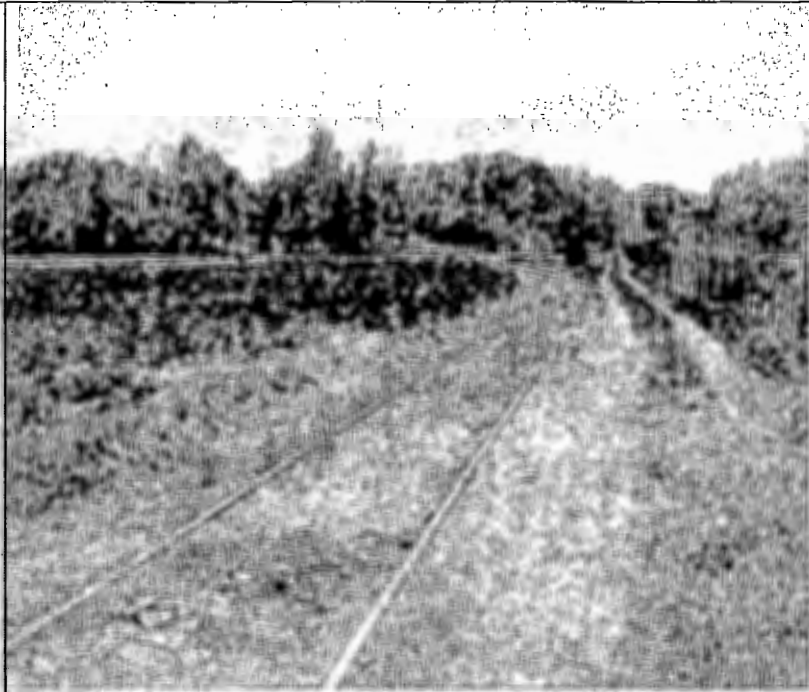
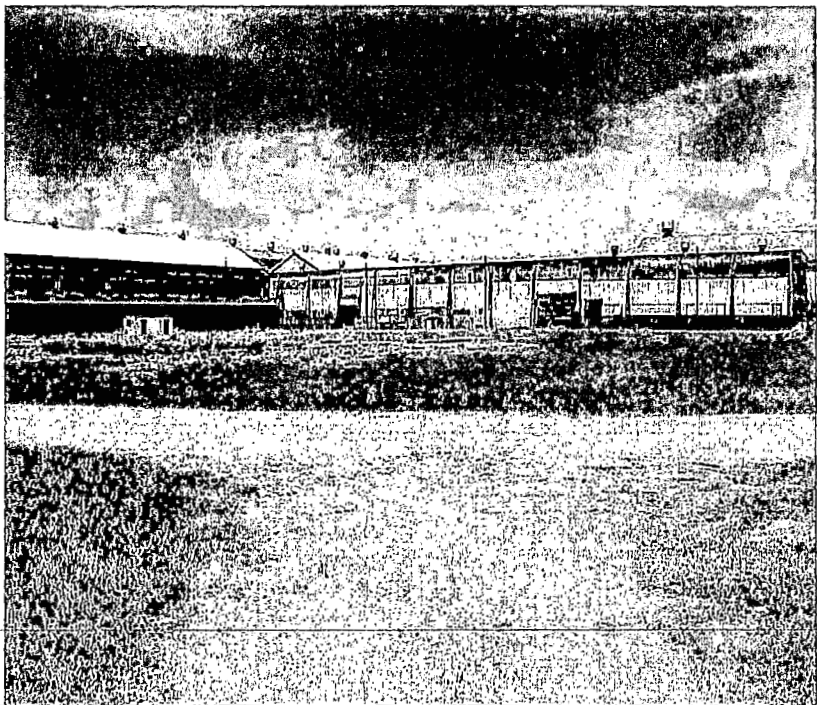


Photo 06

Date: 5/19/2009

Description:

Looking northwest
at sparse
groundcover and
inactive buildings in
center of site.



Site: Trinity Industries, South Plant

Project: Baseline Ecological Evaluation

Photo 07

Date: 5/19/2009

Description:
Looking northeast at
drainage ditch
outside of western
fence along active
railroad line.



Photo 08

Date: 5/19/2009

Description:
Looking southeast at
asphalt pavement,
concrete, and
compacted soils
between buildings in
northern portion of
site.





July 20, 2013

Dear Customer:

The following is the proof-of-delivery for tracking number 565230789610.

Delivery Information:

Status:	Delivered	Delivered to:	Shipping/Receiving
Signed for by:	J.ULRICH	Delivery location:	2 N CIRCLE DR HARRISBURG, PA 171200093
Service type:	FedEx Priority Overnight	Delivery date:	Jul 19, 2013 10:04
Special Handling:	Deliver Weekday		



Shipping Information:

Tracking number:	565230789610	Ship date:	Jul 18, 2013
		Weight:	0.5 lbs/0.2 kg

Recipient:
KIRA HEINRICH
PA HISTORICAL & MUSEUM COMMISSION
COMMONWEALTH KEYSTONE BLDG
2 ND FLOOR, 400 NORTH STREET
HARRISBURG, PA 171200093 US
Reference

Shipper:
Philadelphia Office
Golder Associates Inc
200 Century Parkway
Suite C
Mt Laurel, NJ 080541150 US
073-6009.100

Thank you for choosing FedEx.

ATTACHMENT I

PADEP APPROVAL LETTERS



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION
NORTHWEST REGIONAL OFFICE

May 24, 2013

CERTIFIED MAIL NO. 7012 3050 0002 4113 0061

Mr. Terry Barrett
Remediation Projects Manager
Trinity Industries, Inc.
2525 Stemmons Freeway
Dallas, TX 75207

Re: Approval with Modifications - Revised Cleanup Plan - South Plant Site
Trinity Industries, Inc. - South Plant
eFACTS PF No. 731732
eFACTS Activity No. 41404
100 York Street, Greenville
Hempfield Township, Mercer County

Dear Mr. Barrett:

The Department of Environmental Protection (Department) has received and reviewed the February 28, 2013, document submitted by Trinity Industries, Inc. (Trinity) titled "Revised Cleanup Plan - South Plant Site" for the property located at 100 York Street, Greenville. The Revised Cleanup Plan was prepared by Golder Associates, Inc. and submitted to the Department in accordance with the December 21, 2006, Consent Order and Agreement between Trinity and the Department ("Consent Order") and the Land Recycling and Environmental Remediation Standards Act (Act 2). The Revised Cleanup Plan is a "cleanup plan" as described in Section 304 of Act 2.

The Department hereby approves the Revised Cleanup Plan with modification, as indicated in Items 1 - 4, below, in accordance with Paragraph 17 of the Consent Order and the provisions of Act 2:

1. The Revised Cleanup Plan, in Appendix J, reported the results of an investigation conducted to determine what impact, if any, site related Contaminants of Concern (COCs) and/or buried wastes are having on surface water. During the Department's May 23, 2013, conference call with Trinity and their representatives, it was agreed that Trinity will model the impact of the diffuse groundwater discharge to surface water in accordance with 25 Pa. Code §§250.309(c) and 250.406(c) for all site COCs that exceed their Practical Quantitation Limit (PQL). The Revised Cleanup Plan is modified to require Trinity complete the modeling and provide the modeling results to the Department by June 14, 2013.

2. Appendix E includes a monitoring program for future sampling events, but omits MW-15 and the additional surface water sampling locations included in Appendix J. Appendix E of the Revised Cleanup Plan is modified to include MW-15 and the additional surface water locations identified in Appendix J.
3. Section 5.8 Construction Sequencing, Item 8D refers to Step 6b which does not exist. Section 5.8 Construction Sequencing is modified to require Trinity to submit a corrected Section 5.8 by June 14, 2013.
4. The Site Inspection Checklist in Appendix G should include all relevant information for the diversion and collection channels requiring inspection. The Revised Cleanup Plan is modified to require Trinity to supply a complete Site Inspection Checklist with the Final Report.

General Comments Not Related to the Above-Mentioned Modifications:

Trinity is reminded they are limited by Paragraph (6)(b) of the Consent Order to demonstrate either the Background or Residential Used Aquifer Statewide Health Standard for groundwater contamination at the property line and beyond and that an Act 2 demonstration is required for all COCs found to exceed the PQL.

Although proposed post remediation care requirements are documented in the Cleanup Plan, the Department reserves their discretion to approve/disapprove any post remediation care plans until the submittal of the Final Report in accordance with 25 Pa. Code §§250.411 and 250.204(g).

This approval with modification is contingent upon Trinity, by June 14, 2013, submitting an acceptable report, as required in Item 1, above, to the Department which shows no impacts to surface water in excess of the applicable surface water criteria referenced in 25 Pa. Code §§250.309 and 250.406. If Trinity fails to submit an acceptable report or if the modeling

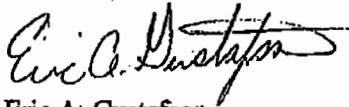
Mr. Terry Barrett

-3-

May 24, 2013

required in Item 1 demonstrates impacts to surface water in excess of the applicable surface water criteria referenced in 25 Pa. Code §§250.309 and 250.406, this approval with modification becomes null and void and Trinity will be in Breach of the Consent Order.

Sincerely,



Eric A. Gustafson
Regional Manager
Environmental Cleanup and Brownfields Program

cc: Joseph Gormley, Jr., P.E.
Grant Dufficy - USEPA
John O'Hara, P.G. - DEP
Kristie Shimko - DEP
Clem DeLattre - DEP
Doug Moorehead - DEP
Kim Bontrager - DEP
File

EAG:keb:lsf